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EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

LETTER

FROM

THE SECRETARY OF AGRICULTURE,

TRANSMITTING

A DETAILED STATEMENT OF THE EXPENDITURES OF ALL APPROPRIATIONS FOR THE FISCAL YEAR ENDING JUNE 30, 1901, INCLUDING SUPPLEMENTAL ACCOUNTS TO OCTOBER 14, INCLUSIVE.

DECEMBER 2, 1901.—Referred to the Committee on Expenditures in the Department of Agriculture and ordered to be printed.

DEPARTMENT OF AGRICULTURE,  
OFFICE OF THE SECRETARY,  
*Washington, D. C., November 26, 1901.*

SIR: I have the honor to present herewith, in conformity to law, a detailed statement of the expenditures of all appropriations for the Department of Agriculture for the fiscal year ending June 30, 1901, including supplemental accounts to October 14, inclusive.

Very respectfully,

JAMES WILSON,  
*Secretary.*

The SPEAKER OF THE HOUSE OF REPRESENTATIVES.

*Expenditures of Department of Agriculture for year ending June 30, 1901*

SALARIES.

Name.	Amount.	Name.	Amount.
James Wilson.....	\$8,000.00	Milton Whitney.....	\$2,500.00
A. H. Brigham.....	4,500.00	F. Lamson-Scribner ..	2,500.00
W. L. Moore.....	5,000.00	Gifford Pinchot.....	2,500.00
A. E. Salmon.....	4,000.00	E. B. Garriot.....	2,500.00
Levealand Abbe.....	3,000.00	H. J. Cox.....	2,500.00
Frank H. Bigelow.....	3,000.00	A. M. Farrington.....	2,500.00
Jno. Hyde.....	3,000.00	E. A. de Schweinitz ..	2,500.00
Andrew Geddes.....	2,500.00	A. J. Henry.....	2,500.00
F. L. Evans.....	2,500.00	V. A. Norgaard.....	2,500.00
A. D. Melvin.....	2,500.00	A. F. Woods.....	2,325.00
G. W. Hill.....	2,500.00	H. W. Wiley.....	2,289.40
P. V. Coville.....	2,500.00	H. E. Alvord.....	2,285.60
L. O. Howard.....	2,500.00	C. W. Stiles.....	2,250.00
C. H. Merriam.....	2,500.00	H. E. Williams.....	2,250.00
B. T. Galloway.....	2,500.00	A. Zappone.....	2,000.00

# 2 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## SALARIES—Continued.

Name.	Amount.	Name.	Amount.
S. R. Burch	\$2,000.00	G. W. Hay	\$1,400.00
J. B. Bennett	2,000.00	H. J. Penrod	1,400.00
C. B. Lower	2,000.00	Theo. T. Moore	1,400.00
H. C. Frankenfield	2,000.00	H. L. Heiskell	1,400.00
Alex. G. McAdie	2,000.00	J. J. Bain	1,400.00
E. A. Beals	2,000.00	Jno. C. Stewart	1,400.00
Jas. Berry	2,000.00	Henry Pennywitt	1,400.00
D. J. Carroll	2,000.00	M. C. Bennett	1,400.00
J. P. Church	2,000.00	H. C. Kimball	1,400.00
E. D. Yerby	1,800.00	Jno. C. Poy	1,400.00
Jos. A. Arnold	1,800.00	Sophia A. Benter	1,400.00
R. W. Reese	1,800.00	C. B. Tuch	1,400.00
E. B. Jones	1,800.00	M. B. Waite	1,350.00
L. H. Dewey	1,800.00	R. W. Hickman	1,331.50
T. S. Palmer	1,800.00	McP. Reynolds	1,300.00
W. A. Taylor	1,800.00	Emma B. Hawks	1,232.70
E. E. Ewell	1,800.00	M. Haas	1,223.09
E. C. Schroeder	1,800.00	A. G. Guthridge	1,200.00
R. A. Pearson	1,800.00	Thos. Ray	1,200.00
Jno. R. Mohler	1,800.00	M. Helen Burr	1,200.00
H. H. Gerdes	1,800.00	C. K. Bragden	1,200.00
Geo. F. Thompson	1,800.00	E. H. Stevens	1,200.00
L. J. Briggs	1,800.00	Virginia Miller	1,200.00
T. B. Harrison	1,800.00	M. B. Zimmerman	1,200.00
C. L. Marlatt	1,800.00	F. H. Wagner	1,200.00
J. R. Robinson	1,800.00	B. M. Dodson	1,200.00
D. T. Maring	1,800.00	M. T. Chapman	1,200.00
Jas. R. Cook	1,800.00	Flora Schmidt	1,200.00
F. M. Cleaver	1,800.00	W. M. King	1,200.00
R. B. Handy	1,800.00	H. R. Smedes	1,200.00
G. K. Holmes	1,782.95	V. R. Wharton	1,200.00
O. W. Price	1,648.40	C. B. Finckel	1,200.00
G. B. Brackett	1,616.85	W. W. Tracy, jr	1,200.00
M. Marjorie Brigham	1,600.00	Otto Heidemann	1,200.00
W. C. Pennywitt	1,600.00	M. A. Champney	1,200.00
W. W. Jones	1,600.00	E. R. Preble	1,200.00
J. A. Harvey	1,600.00	D. A. Passmore	1,200.00
L. F. Harrington	1,600.00	A. M. Winfield	1,200.00
Geo. E. King	1,600.00	Mary T. Dent	1,200.00
W. W. Long	1,600.00	M. H. Mahan	1,200.00
C. A. Leith	1,600.00	Mary G. Marshall	1,200.00
A. J. Pieters	1,600.00	C. F. Morris	1,200.00
Theo. Pergande	1,600.00	M. A. S. Coleman	1,200.00
Allen Dodge	1,600.00	A. H. Kinnear	1,200.00
W. G. Bigelow	1,600.00	Wm. Berry	1,200.00
Albert Hassall	1,600.00	Harry L. Hill	1,200.00
Robt. Seyboth	1,600.00	R. F. de Grain	1,200.00
Frank Gillam	1,600.00	E. E. Simpson	1,200.00
P. C. Day	1,600.00	J. H. Melton	1,200.00
Geo. E. Hunt	1,600.00	W. D. Porter	1,200.00
J. H. Jones	1,600.00	R. D. Meston	1,200.00
C. B. Clark	1,582.88	S. A. Potter	1,200.00
B. D. Stallings	1,575.47	H. W. Smith	1,200.00
A. K. Fisher	1,500.00	J. S. Whiteside	1,200.00
H. W. Olds	1,500.00	Jas. M. Watson	1,200.00
Jas. A. Emery	1,496.20	Arthur Thompson	1,200.00
Jas. W. Wilson	1,493.75	B. P. N. Spencer	1,200.00
C. M. Daugherty	1,465.20	Benj. A. Bluden	1,200.00
Carleton P. Ball	1,450.00	E. M. Mattison	1,200.00
Jas. E. Jones	1,400.00	E. A. Brown	1,200.00
H. N. Price	1,400.00	C. J. Jones	1,200.00
Anna A. Houseman	1,400.00	W. M. Hunsen	1,200.00
Carrie L. Du Bois	1,400.00	Clinton Ashton	1,200.00
M. McCutchen	1,400.00	Homer W. Clough	1,200.00
F. C. Cox	1,400.00	Ruby S. Hotze	1,185.38
J. H. Hendrick	1,400.00	Jas. M. Pickens	1,160.00
Geo. W. Bauman	1,400.00	C. C. Carroll	1,145.70
E. G. Ward, jr	1,400.00	Frank O. Stetson	1,134.00
J. P. M. Haas	1,400.00	H. M. Kendrick	1,100.00
D. W. Stier	1,400.00	Nellie F. Houghton	1,097.00
Frank Benton	1,400.00	A. I. Mudd	1,088.00
F. E. L. Beal	1,400.00	A. McC. Ashley	1,067.20
Mary Sullivan	1,400.00	C. L. Shear	1,065.00
Evelyn Lyons	1,400.00	E. S. Steel	1,050.00
F. N. Gregory	1,400.00	C. H. Greathouse	1,050.00
W. S. D. Haines	1,400.00	E. L. Ogden	1,032.80
S. W. Beals	1,400.00	Almont Barnes	1,005.31
J. T. Poy	1,400.00	D. Marean	1,004.33
G. W. Smith	1,400.00	Helen E. Gray	1,000.00
F. O. Pugh	1,400.00	Mary E. Williams	1,000.00
J. C. Ashton	1,400.00	W. F. Tomlinson	1,000.00



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## SALARIES—Continued.

Name.	Amount.	Name.	Amount.
I. S. Pennybacker, jr	\$1,000.00	Danl. F. O'Neil	\$840.00
M. M. Cannon	1,000.00	Edw. Dillon	840.00
M. E. Edwards	1,000.00	Hermann Perle	840.00
M. C. Stoddard	1,000.00	Wm. Patrick	840.00
M. E. Thorn	1,000.00	Gustav E. Rausch	840.00
F. J. P. Cleary	1,000.00	Jas. F. Collins	840.00
C. E. Bracey	1,000.00	L. M. Cleveland	837.01
E. L. Clarke	1,000.00	C. P. Fletcher	832.40
C. Waldren	1,000.00	Louisa Taylor	821.19
A. M. Wright	1,000.00	Jas. S. Burkley	817.90
A. H. Love	1,000.00	Marion Dorset	800.00
F. C. Cooney	1,000.00	Annie L. Pierce	798.90
Edgar Brown	1,000.00	Ralph Hosmer	798.90
A. H. Howell	1,000.00	Danl. J. Herndon	796.70
Bertha Heiges	1,000.00	Mary A. Dolan	788.76
S. E. Miller	1,000.00	Geo. M. Ruffin	777.60
M. N. Barnard	1,000.00	W. E. Cotton	746.30
B. G. Wasdon	1,000.00	Harry Crompton	720.00
Mary E. Fagan	1,000.00	Thos. Rutledge	720.00
M. C. Montgomery	1,000.00	A. J. Hodges	720.00
B. C. Oberly	1,000.00	Clarence Bean	720.00
Henry Winklemann	1,000.00	W. H. Johnson	720.00
Janette Stewart	1,000.00	L. D. Frost	720.00
Nathl. Shattswell	1,000.00	B. T. Ridgeway	720.00
Mattie H. Chapman	1,000.00	M. F. Ryon	720.00
S. P. Mennick	1,000.00	W. H. Moore	720.00
Genevra B. Diehl	1,000.00	H. S. Mott	720.00
C. E. Hesse	1,000.00	R. H. Cooke	720.00
Herman Volker	1,000.00	Thad. Fairfax	720.00
Frank D. Emery	1,000.00	Alfred Hawkins	720.00
A. T. Burrows	1,000.00	Jno. Nicholas	720.00
Ralph B. Marean	1,000.00	Frank P. Evans	720.00
A. H. Thiessen	1,000.00	J. S. Lee	720.00
Harry B. Wren	1,000.00	Geo. Hall	720.00
J. B. Monroe	1,000.00	W. P. Steadman	720.00
Hiram Johnson	1,000.00	C. C. Crogan	720.00
J. A. Claveloux	1,000.00	A. H. Kite	720.00
Isaac M. Dolph	1,000.00	W. C. Shimoneck	720.00
C. H. Pelcher	1,000.00	Mose Smith	720.00
B. B. Blankman	987.77	Virginia Peticolas	720.00
Jos. B. Wilson	986.41	Jno. M. Groff	720.00
W. W. Parker	964.61	Michael Hayes	720.00
J. A. Wilson	952.95	Saml. L. Howard	720.00
L. J. Smith	948.90	Chas. W. Chambers	720.00
Alex. Ashley	936.26	Frank M. Angelo	720.00
E. G. Johnson	935.80	R. H. Morton	720.00
M. A. Goodchild	926.88	Matt. Mahany	720.00
Guy N. Collins	917.60	David Keller	720.00
Saml. L. Mosby	917.60	E. A. Branham	720.00
Chas. F. Talman	908.20	M. S. Bowie	711.68
Thos. Riggles	900.00	E. D. Merrill	700.00
H. C. Oberholser	900.00	Max West	695.63
Emily E. McDonell	900.00	H. A. Christman	693.60
Edna M. Frost	900.00	L. T. Harrison	680.87
W. P. Cutter	900.00	Toole A. Geddes	668.50
Alice T. Herens	900.00	Ch. Mohr	668.10
Bell Gaston	900.00	S. D. Judd	663.90
Richard Breden	900.00	Lina B. Goetz	660.00
W. F. Tastet	888.63	Geo. W. Sheerer	660.00
Marjorie F. Warner	866.20	W. K. Durnbaugh	660.00
Thos. A. Williams	856.01	W. Plummer	660.00
Laura F. Hawkins	845.08	W. O. Harvey	660.00
Flora W. Patterson	840.03	Horace F. Lyon	660.00
Lawrence Gallagher	840.00	Jno. A. Balster	660.00
Jas. Williams	840.00	Wm. Emerson	641.54
Wm. Collier	840.00	J. M. Boardman	635.44
A. H. Brooks	840.00	Mary A. Nelson	630.00
J. A. Mason	840.00	A. J. Newmeyer	613.98
W. A. Murray	840.00	W. F. Deakins	600.00
Annie Parker	840.00	J. K. S. Tabler	600.00
S. E. Jenkins	840.00	H. P. Hottenstein	600.00
Sara Skinner	840.00	Frank Sprague	600.00
A. L. Berry	840.00	Wm. Talbot	600.00
Sally G. Adams	840.00	Myron Baker	600.00
R. F. Johnson	840.00	Edw. McDermot	600.00
Thos. B. Reamy	840.00	E. S. N. Sartz	600.00
A. C. Crain	840.00	Robt. W. Williams	600.00
W. R. Brandenburg	840.00	Plato T. Lee	600.00
F. R. Fravel	840.00	R. E. Rozzelle	600.00
Mary Long	840.00	Jesse Jones	596.67
E. H. Halbach	840.00	Fred Rice	587.40

# 4 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## SALARIES—Continued.

Name.	Amount.	Name.	Amount.
A. H. Hitchcock	\$585.00	Carrie Myers	\$189.26
T. A. Scott	584.20	F. L. J. Boettcher	188.28
W. E. Griffith	543.63	Chas. Holmes	184.61
Celia Gillety	540.00	Amand Lomax	180.00
W. R. Beattie	525.00	Edw. Bailey	178.28
H. E. Brown	520.78	J. A. Murphy	167.60
Wm. Saunders	495.93	Middleton Smith	167.60
Emily Warner	480.00	H. S. Graves	151.60
Martha Boss	480.00	Wm. McLane	151.25
Susie Morgan	480.00	Jno. Roberts	140.80
M. E. Skinner	456.56	J. T. Watlington	135.83
Harry W. Madell	450.00	Kate McCarthy	135.33
L. E. Tait	450.00	Henry Farquhar	134.80
Danl. J. Brown	450.00	O. W. Wyatt	129.20
Frank Mathews	447.55	Wm. Mozee	122.00
Geo. S. Waldo	445.01	E. N. Holledge	121.20
V. H. Olmsted	417.05	Sarah L. Garner	117.97
W. A. Sherman	416.60	J. J. Schutte	115.40
V. P. Bradford	416.10	Jas. B. Adams	115.40
L. H. Fisher	406.27	E. V. Wilcox	114.20
B. B. Bagby	360.00	C. R. Linfoot	111.37
W. A. Orton	353.33	Juliet King	105.04
C. R. Barnett	350.00	J. J. Games	103.82
Anna C. Kelton	348.91	Estelle O'Rourke	101.30
Flora Steineger	336.10	G. M. Ruffin	82.40
Ernest T. Giers	336.10	Ottis H. Yates	82.40
Irvin Frickey	329.35	Jacob Adams	79.17
J. C. I. Evans	329.35	E. D. Gould	73.55
Jessie A. Murphy	315.00	Jno. C. Welsh	69.20
Claude Dobbins	312.63	J. Wm. Fink	57.69
Jno. Sullivan	311.35	E. G. Johnson	57.07
Abbie R. Knapp	307.97	Ella Woolard	50.00
Gertrude E. Upton	236.30	Jno. E. Clements	40.00
Louis S. Caswell	279.05	B. M. Noone	38.92
Delia Wilcox	254.45	Maggie C. Minitor	33.95
S. B. Gregory	251.11	Mary A. Minitor	25.42
Belle O. Saunders	251.10	Sarah I. Proctor	11.51
Lizzie Rollins	240.00	M. E. Rollins	9.23
Belle Meek	240.00	C. H. Norman	6.00
Charity Broadus	240.00	Margaret Phillips	4.62
C. Baltimore	240.00	John Higgins	4.50
C. M. Ridley	240.00	Jno. Howard	4.50
Lucy Payne	240.00	C. A. Norman	3.60
T. H. Kearner, jr	235.80	Albert Woodard	3.00
Clara A. Templeton	235.36	Jno. W. Harris	3.00
Emma S. Thompson	234.60	Geo. Banks	3.00
J. E. Leonard	228.29	Wm. Lewis	1.50
A. J. Olin	213.06	Sandy Higgins	1.50
Geo. W. Brett	212.04	Geo. Johnson	1.50
Mary E. Ryder	210.00		
Jas. Morrison	202.20		
Richard Falconer	195.66		
		Total	472,365.46

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES.

Date.	Name.	Nature of payment.	Total.
1900.			
July 18	S. R. Burch	Traveling expenses	\$39.90
19	D. E. Salmon	do	39.75
24	S. R. Burch	do	2.50
25	A. L. Reynolds	Cheese	11.67
	The Chandler & Rudd Co	do	14.40
	Toole A. Geddes	Traveling expenses	60.40
28	R. A. Pearson	do	21.00
	do	Office expenses	2.50
	W. M. Galt & Co.	Cornmeal and bran	203.35
31	Louise Breeden et al.	Salaries	2,989.82
Aug. 1	W. G. Orr & Co	Bottles, etc.	25.00
	Chas. Lentz & Sons	Supplies	10.05
3	Aquila Mitchell	Services	91.30
6	Jno. S. Buckley	do	101.10
	H. A. Christman	do	101.10
	W. H. Rose et al	Salaries	998.10
	H. A. Hedrick et al	do	478.30
	Julius Huelsen et al	do	611.30
7	Murray J. Myers	Services	101.10
	Peter I. Kershner	do	101.10
	W. D. Jorden	do	101.10
	Chas. A. Brown	do	51.36

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900. Aug. 7	M. B. Miller	Services	\$101.10
	Arthur M. Rork	do	101.10
	Wm. G. Shaw	do	101.10
	Dan McCuningham	do	101.10
	W. B. Lincoln	do	101.10
	Harry L. McDonald	do	75.80
	Geo. S. Hickox	do	84.20
	W. E. Hill	do	101.10
	Howard M. Burgess	do	101.10
	Leslie J. Allen	do	117.90
	Thos. Castor	do	101.10
	C. H. Stevens	do	117.90
	R. J. Blanche	do	101.10
	Thos. A. Bray	do	117.90
	Harry D. Paxson	do	101.10
	H. D. Mayne	do	101.10
	S. E. Bennett et al	Salaries	5,741.80
	J. J. Brougham et al	do	2,213.33
	Jno. McBirney et al	do	1,653.00
	W. S. Cass et al	do	1,175.93
	L. R. Baker et al	do	847.00
	Fredk. Braginton et al	do	178.50
	Albert Dean et al	do	657.10
	Jas. S. Kelly et al	do	271.48
	T. J. Turner et al	do	456.50
	Joshua Miller et al	do	254.30
	Geo. Ditewig et al	do	269.50
	E. P. Schaffter et al	do	549.78
	A. J. Payne et al	do	806.70
	R. W. Hickman et al	do	2,673.27
	C. H. Zink et al	do	1,702.90
	Jas. Johnston et al	do	1,364.40
	Edw. P. Dowd et al	do	178.50
	C. A. Schaufler et al	do	920.70
	F. W. Huntington et al	do	153.10
	A. G. G. Richardson et al	do	820.30
	W. J. Murphy et al	do	178.50
	E. L. Volgenau et al	do	178.50
	F. W. Ainsworth et al	do	313.90
8	O. E. Dyson et al	do	8,461.91
	E. W. Barthold et al	do	1,937.35
	B. S. Paddock et al	do	299.50
	Ira K. Atherton	Services	117.90
	A. B. Morse	do	117.90
	W. H. Gibbs	do	101.10
	O. W. Snyder	do	117.90
	Robt. H. Treacy	do	101.10
	Jas. Irwin	do	84.20
	Theodore Kanter	do	36.68
	Benj. Howes	do	101.10
	Chas Cowie	do	35.00
	C. L. Morin	do	25.00
9	Morris Wooden et al	Salaries	5,946.84
	Don C. Ayer et al	do	4,607.21
	Jno. Forbes et al	do	2,216.16
	Niels C. Sorensen et al	do	1,893.10
	Rich. W. Tuck et al	do	707.03
	W. C. Barth et al	do	193.70
	Wm. Thompson et al	do	1,003.17
	Frank G. Ketchum et al	do	852.43
	O. B. Hess et al	do	217.18
	A. R. Wake et al	do	515.41
	A. E. Behnke et al	do	1,078.20
	Walter J. Stewart et al	do	689.40
	George S. Baker et al	do	347.00
	Saml. E. Cosford et al	do	178.50
	T. A. Shipley et al	do	330.10
	E. N. Hutchinson et al	do	372.20
	E. T. Davison et al	do	178.50
	L. Enos Day et al	do	170.38
	Frank T. Shannon et al	do	193.70
	George C. Faville et al	do	279.60
	Louis K. Green et al	do	178.50
	Ada K. Gannon	Services	13.04
10	A. G. G. Richardson	Use of horse and buggy	38.00
	A. F. MacLaren	Cheese	16.80
	H. F. Miller & Sons	Tin cans	11.50
	A. F. Martins	Supplies	125.00
11	Charles Keane et al	Salaries	382.58
	A. J. Pistor	Services	101.10
	D. Cumming	do	35.00
	G. W. Ward	do	70.00



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900. Aug. 11	F. L. Russell	Services	\$32.00
	John A. Bell	do	32.00
	Julius Huelsen	Office expenses	5.40
	E. C. Schroeder	do	5.75
	L. Enos Day	Office expenses	.85
	C. W. Stevens	Traveling expenses	44.92
	Schwarzchild & Sulzberger Co.	Freight	11.43
	J. R. Miller	Butter	3.57
	A. E. Behnke	Use of horse and buggy	35.00
	Jas. Vincent	Calf	25.00
	Orrin W. Snyder	Keeping horse	20.00
	J. P. Burrows	Hog cholera mixture, etc.	8.01
	George Bower	Mare	60.00
	A. Bauman, jr.	Use of horse and buggy	20.00
14	W. B. Moses & Sons	Chair cushion	5.00
	M. Du Perow	Electric fans	64.50
	Geo. E. Howard & Co	Blackleg envelopes	36.00
	Robert Castleberg	Eyeglass cords	2.25
	Edw. S. Schmidt	Prepared feed	6.00
	Mackall Bros	Supplies	34.25
	E. Morrison Paper Co	Envelopes	6.00
	do	Binders' board	1.25
	Z. D. Gilman	Tar, etc.	30.00
	do	Thermometers	18.00
16	Henry B. Armsby et al	Salaries	250.30
	F. M. Hunter	Services	84.20
	W. H. Wray	do	387.50
	J. F. Ryder	do	168.50
	L. P. Beechy	do	101.10
	do	Traveling expenses	85.75
	J. A. Brown	do	14.00
	W. E. Hill	do	3.25
	Peter I. Kershner	do	13.05
	R. J. Blanche	do	5.00
	M. B. Miller	do	6.50
	Howard M. Burgess	do	1.25
	Jas. Kunes	do	8.00
	W. C. Honan	do	19.20
	Robt. H. Treacy	do	64.83
	Arthur C. Hart	do	4.40
	J. F. Ryder	do	45.00
	W. H. Wray	do	17.95
	do	Office expenses	3.13
	Chas. M. Day	do	9.00
	W. S. Cass	do	2.00
	A. R. Wake	do	4.92
17	Arthur M. Rork	Traveling expenses	21.25
	Thos. Castor	do	29.70
	McP. Reynolds	do	47.60
18	E. N. Hutchinson	Office expenses	21.00
	W. B. Niles	Traveling expenses	61.95
	Abram M. Adams	do	60.10
	Chas. M. Day	do	100.15
	Lowell Clarke	do	88.20
	L. J. Allen	do	27.65
	Thos. A. Bray	do	34.30
20	Page County Bank	Office rent	8.33
	Chas. O. Brockway	Duplicate tags	16.80
	Lagrange Creamery Co.	Butter	15.45
	C. E. Udell & Co.	Cheese	24.64
	Iowa Telephone Co.	Telephone services	2.50
	The Harrington & King Perforating Co	Supplies	8.63
21	F. W. Hopkins	Services	117.90
	Rice P. Heddum	do	117.90
	F. T. Dolan	do	101.10
	W. P. Ellenberger	do	101.10
	Jos. M. Turner	do	75.80
	Walter M. Foster	do	60.60
	Harry B. Adair	Traveling expenses	27.00
	Jno. E. Munn	do	14.80
	Wm. D. Jordan	do	101.52
	Geo. S. Hickox	do	108.75
	F. Kral	Bacterial cultures	10.75
	The Schovill & Adams Co. of New York	Zeiss lens	50.00
	Joe Mathy	Iron pipe	64.00
	St. Louis National Stock Yards Co.	Office rent	50.00
	W. S. Cass	Horse feed	10.00
	L. Berger	Hauling	2.70
	Bark River Cheese Co	Butter	6.16
	Foster's Creamery Co	do	5.37
	D. Frank Parker	Typewriter paper, etc	49.00
	Wm. Lochte	Shoeing horses, etc.	9.82

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Aug. 21	Washington Gaslight Co.....	Gas.....	\$26.40
	Hiram W. Hawley.....	Use of horse and wagon.....	37.50
	do.....	Use of horse and buggy.....	23.00
	A. P. Little.....	Stencil paper, etc.....	4.45
	Stock Yard Paint Co.....	Tacks, rubber tubing, etc.....	3.35
	S. W. Burt.....	Use of saddle horse.....	15.00
	United States Electric Lighting Co.....	Electric current.....	1.89
	do.....	do.....	18.82
22	Jno. A. Bell.....	Traveling expenses.....	4.62
	Chas. Cowie.....	do.....	4.50
	Jno. McBirney.....	do.....	74.47
	G. W. Ward.....	do.....	9.25
	F. M. Perry.....	do.....	27.65
	F. L. Russell.....	do.....	15.75
	B. Howes.....	do.....	17.25
	C. L. Morin.....	do.....	4.25
	H. D. Mayne.....	do.....	6.62
	W. H. Rose.....	Office expenses.....	22.15
	A. G. G. Richardson.....	do.....	6.85
	Marion Dorset.....	do.....	33.92
23	O. E. Dyson.....	do.....	13.93
	Hugo Ellbring.....	Traveling expenses.....	13.40
	Chas. Keane.....	Use of horse and buggy.....	25.00
	Don C. Ayer.....	do.....	15.00
25	R. P. Clarke Co.....	Feather dusters.....	24.00
	Richd. L. Lamb.....	Pads.....	6.75
	O. E. Dyson.....	Use of horse.....	15.00
29	Goes Lithographing Co.....	Meat inspection stamps.....	801.78
	Dan. McCuningham.....	Traveling expenses.....	63.65
	Harry D. Paxson.....	do.....	57.65
	Rice P. Steeddom.....	do.....	99.79
	W. P. Ellenberger.....	do.....	96.40
	F. W. Hopkins.....	do.....	13.95
	S. E. Bennett.....	do.....	16.05
	do.....	Use of horse.....	23.00
	Wm. C. Siegmund.....	Traveling expenses.....	32.30
	Jas. W. Davis.....	Use of horse and buggy.....	18.00
	Leo Baum.....	Illustrated bulletin.....	1.25
	Thos. Somerville & Sons.....	Drying bath, etc.....	51.48
	Jno. C. Parker.....	Letter books, etc.....	83.71
31	Louise Breedin et al.....	Salaries.....	3,143.81
Sept. 4	Jno. S. Buckley.....	Services.....	101.10
	H. A. Christmann.....	do.....	101.10
	Harry B. Adair.....	do.....	117.90
	R. A. Ramsay.....	Traveling expenses.....	45.25
	Fredk. T. Dolan.....	do.....	52.50
	Jno. H. McNeill.....	do.....	67.00
	Geo. S. Baker.....	do.....	6.10
5	H. A. Hedrick et al.....	Salaries.....	478.30
	W. H. Rose et al.....	do.....	1,000.60
	Julius Huelsen et al.....	do.....	611.30
	L. S. Depue.....	Oats.....	6.60
	J. T. Walker Sons.....	Lime.....	7.50
	The J. C. Ergood Co.....	Soap.....	10.25
	W. M. Galt & Co.....	Oats, corn, and wheat.....	436.50
	Wyckoff, Seamans & Benedict.....	Adjusting typewriter.....	13.75
6	Alfred H. Hollidge.....	Services.....	21.00
7	Benj. Sharpless.....	Butter box.....	1.25
	Eberhard Faber.....	Bands.....	64.80
	do.....	do.....	4.00
	Bausch & Lomb Optical Co.....	Supplies.....	361.45
	A. H. Reid.....	Bolts, staples, etc.....	1.67
	Phillip Lindemeyer.....	Ink for stamp pads.....	1.92
	E. J. Brooks & Co.....	Compressor glasses.....	74.00
	F. M. Perry.....	Services.....	117.90
	Carle E. Burgdorf.....	Use of horse and buggy.....	60.00
	Monroe B. Miller.....	Services.....	101.10
	Geo. S. Hickox.....	do.....	84.20
	R. H. Treacy.....	do.....	101.10
	Arthur M. Rork.....	do.....	101.10
	Murray J. Myers.....	do.....	101.10
	A. J. Pistor.....	do.....	101.10
	W. E. Hill.....	do.....	101.10
	Geo. C. Moser.....	do.....	101.10
	Willis B. Lincoln.....	do.....	101.10
	H. D. Mayne.....	do.....	101.10
	B. Howes.....	do.....	101.10
	Harry D. Paxson.....	do.....	101.10
	Walter E. Howe.....	do.....	101.10
	Thos. Castor.....	do.....	101.10
	R. J. Blanche.....	do.....	101.10
	Thos. J. Bray.....	do.....	117.90

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900. Sept. 7	Leslie J. Allen .....	Services .....	\$117.90
	Dan. McCuningham .....	do .....	101.10
	C. L. Morin .....	do .....	30.00
	Chas. A. Brown .....	do .....	75.80
	Harry L. McDonald .....	do .....	75.80
	Wm. G. Shaw .....	do .....	101.10
	Levi P. Beachy .....	do .....	101.10
	Wm. D. Jordan .....	do .....	101.10
	Howard M. Burgess .....	do .....	101.10
	Wilber J. Murphy et al .....	Salaries .....	178.50
	Ernest L. Volgenau et al .....	do .....	178.50
	W. H. Gibbs .....	Services .....	101.10
	Edwin T. Davison et al .....	Salaries .....	176.60
	Fredk. Braginton et al .....	do .....	178.50
	F. H. Huntington et al .....	do .....	155.10
	O. B. Hess et al .....	do .....	178.50
	Peter I. Kershner .....	Services .....	101.10
	Hardee Wyatt .....	do .....	16.63
	Chas. H. Stevens .....	do .....	117.90
	Jos. W. Parker .....	do .....	71.74
	Jas. Johnson et al .....	Salaries .....	1,436.93
	L. A. Robinson et al .....	do .....	943.37
8	L. R. Baker et al .....	do .....	862.20
	A. J. Payne et al .....	do .....	795.32
	Walter J. Stewart et al .....	do .....	850.82
	A. G. G. Richardson et al .....	do .....	805.10
	E. P. Schaffter et al .....	do .....	549.78
	Thos. J. Turner et al .....	do .....	456.50
	Albert Deam et al .....	do .....	395.38
	T. A. Shipley et al .....	do .....	330.10
	Jas. S. Kelly et al .....	do .....	279.60
	Joshua Miller et al .....	do .....	254.30
	Geo. C. Faville et al .....	do .....	279.60
	Louis K. Green et al .....	do .....	178.50
	Saml. E. Cosford et al .....	do .....	178.50
	E. P. Dowd et al .....	do .....	178.50
	L. Enos Day et al .....	do .....	178.50
	W. C. Barth et al .....	do .....	193.70
	W. S. Cass et al .....	do .....	1,084.62
	A. E. Behnke et al .....	do .....	1,070.88
	Wm. Thompson et al .....	do .....	1,088.70
10	R. W. Hickman et al .....	do .....	2,617.60
	C. H. Zink et al .....	do .....	789.18
	C. A. Schaufler et al .....	do .....	914.60
	Jno. Forbes et al .....	do .....	2,360.43
	Jno. McBirney et al .....	do .....	1,681.00
	Frank D. Ketchum et al .....	do .....	816.56
	Genevieve Petrie .....	Services .....	14.67
	Richd. W. Tuck et al .....	Salaries .....	704.16
	H. N. Waller et al .....	do .....	359.77
	Geo. Ditewig et al .....	do .....	269.50
	Ira K. Atherton et al .....	do .....	176.60
	F. M. Perry .....	Services .....	117.90
	Arthur B. Morse .....	do .....	117.90
	Orrin W. Snyder .....	do .....	117.90
12	Morris Wooden et al .....	Salaries .....	5,956.92
	O. E. Dyson et al .....	do .....	8,574.48
	United States Electric Lighting Co .....	Electric current .....	26.83
	Rudolph, West & Co .....	Supplies .....	133.23
	do .....	Rawhide, etc .....	7.60
	do .....	Cartridges .....	1.35
	J. T. Thompson .....	Stamping letter heads .....	21.60
	Edwd. S. Schmid .....	Guinea pigs .....	300.00
13	Jas. Irwin et al .....	Salaries .....	84.20
	W. C. Siegmund .....	Services .....	101.10
	J. J. Brougham et al .....	Salaries .....	2,107.65
	Don. C. Ayer et al .....	do .....	4,514.34
	Benj. S. Paddock et al .....	do .....	292.97
	Frank T. Shannon et al .....	do .....	193.70
	Walter E. Howe .....	Services .....	101.10
	W. S. Devoe .....	do .....	210.60
	do .....	do .....	210.60
	Chas. Keane et al .....	Salaries .....	390.70
	Geo. S. Baker et al .....	do .....	422.80
	E. N. Hutchinson et al .....	do .....	340.20
	A. R. Wake et al .....	do .....	527.10
	C. B. Jones .....	Traveling expenses .....	15.85
14	S. E. Bennett et al .....	Salaries .....	5,783.99
15	N. C. Sorensen et al .....	do .....	1,887.26
	E. W. Barthold et al .....	do .....	1,937.30



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900. Sept. 17	Wm. E. Pratt	Hog rings	\$180.60
	Goes Lithographing Co	Meat inspection stamps	684.83
	do	do	32.00
	F. M. Hunter	Services	84.20
	W. M. Foster	Traveling expenses	19.45
	do	Services	60.60
	W. P. Ellenberger	do	101.10
	F. P. Dolan	do	101.10
	F. W. Hopkins	do	117.90
	R. P. Steddom	do	117.90
	Jos. M. Turner	do	9.78
	Henry P. Armsby et al.	Salaries	250.30
	J. F. Ryder	Services	168.50
	do	Traveling expenses	45.00
	W. H. Wray	Services	387.50
	do	Traveling expenses	19.37
	do	Office expenses	3.36
	C. T. Kent	Calf	25.00
	H. F. Miller & Son	Tin cans	17.25
	Geo. E. Howard & Co.	Envelopes	67.50
	American Ice Co	Ice	25.68
	do	do	27.07
	W. M. Galt & Co.	Feed	203.35
	Washington Gas Light Co.	Gas	21.10
	Chas. R. Edmonston	Pans, etc	33.30
	Jas. B. Lambie	Belting, etc	33.01
	C. W. Stiles	Office expenses	16.10
	Marion Dorset	do	19.59
18	W. B. Niles	Traveling expenses	49.00
	Levi P. Beechy	do	99.80
	Geo. S. Baker	do	5.50
	J. Otis Jacobs	do	43.40
	do	do	16.55
	F. C. Eells	do	23.35
	C. H. Bugbee	do	16.00
	Wm. C. Honan	do	21.60
	Belle Ritter	Services	13.86
	U. G. Houck	Traveling expenses	26.00
	Jno. McBirney	do	85.12
	J. H. McNeall	Services	101.10
	do	do	101.10
	do	Traveling expenses	57.85
	Henry C. Babcock	do	4.75
	Harry B. Adair	Services	117.90
	D. Cumming	do	105.00
	Robt. H. Treacy	Traveling expenses	89.50
	Chas. M. Day	do	70.52
	Abram M. Adams	do	68.35
	W. E. Hill	do	3.00
	M. B. Miller	do	11.10
	Harry D. Paxson	do	18.75
	Chas. A. Brown	do	13.45
	George C. Moser	do	24.60
	Murray J. Myers	do	48.45
	do	do	52.60
	Wm. G. Shaw	do	46.05
	Dan. McCuningham	do	61.83
	C. L. Morin	do	6.15
	H. D. Mayne	do	3.02
	F. L. Russell	do	36.05
	do	Services	80.00
	Geo. W. Ward	Traveling expenses	13.00
	do	Services	65.00
	Jno. A. Bell	do	8.00
	H. T. Potter	do	3.00
	Chas. Cowie	do	65.00
	F. M. Perry	Traveling expenses	23.15
	A. F. Martins	do	17.65
19	David Pifferling	Horse	35.00
	Wm. Lochte	Shoeing horses	7.00
	E. B. Markham	Hogs	93.00
	Edw. S. Schmid	Prepared feed	36.00
	J. A. Cooper	Use horse and buggy	8.00
	F. T. Dolan	Traveling expenses	32.95
	Rice P. Steddom	do	94.94
	Geo. S. Hickox	do	163.05
	Thos. Castor	do	52.00
	W. D. Jorden	do	77.42
	A. M. Rork	do	74.74
	L. J. Allen	do	58.65

## 10 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900. Sept. 19	Don. C. Ayer .....	Use horse .....	\$15.00
	Jas. W. Davis .....	Use horse and buggy .....	18.00
	J. P. Burrows .....	Hog-cholera mixture .....	45.88
	Iowa Telephone Co .....	Rent telephone .....	2.50
	O. W. Snyder .....	Use horse .....	20.00
	Sam'l. E. Bennett .....	do .....	23.00
	Chas. Keane .....	Use horse and buggy .....	25.00
	S. W. Burt .....	do .....	15.00
	W. L. Harmon .....	Furnishing, etc., electric buzzer .....	3.00
	Rand, McNally & Co .....	Ink .....	8.00
	H. W. Hawley .....	Use horse and buggy .....	23.00
	do .....	Use horse and wagon .....	40.50
	A. P. Little .....	Ink, blotters, etc .....	2.40
	O. E. Dyson .....	Use saddle horse .....	15.00
	American Sheep Breeder .....	One electro .....	2.40
21	Southern Rwy. Co .....	Passenger transportation .....	8.00
	Pacific Express Co .....	Express charges .....	3.30
	Sam. E. Cosford .....	Horse and buggy .....	14.19
	A. Bauman, jr. ....	do .....	20.00
	Chicago Car Seal and Manufacturing Co ..	Tags, etc. ....	29.10
	St. Louis National Stock Yards .....	Office rent .....	50.00
	Page County Bank .....	do .....	8.33
	Gatchell & Manning .....	Plates, goats .....	15.35
	A. E. Behnke .....	Use horse and buggy .....	35.00
	A. G. G. Richardson .....	do .....	38.00
	H. F. Miller & Son .....	Tin can .....	11.50
22	Atlanta, Knoxville and Northern Rwy. Co	Passenger transportation .....	9.30
	E. C. Schroeder .....	Office expenses .....	7.40
	A. G. G. Richardson .....	do .....	6.28
	W. P. Ellenberg .....	Traveling expenses .....	89.04
	Julius Huelsen .....	Office expenses .....	5.60
	W. H. Rose .....	do .....	24.70
	Geo. S. Baker .....	do .....	50
	Chas. M. Day .....	do .....	11.21
	W. S. Cass .....	Horse feed .....	10.00
	do .....	Labor .....	2.00
	A. R. Wake .....	Office expenses .....	4.92
	Lowell Clarke .....	Traveling expenses .....	98.00
	E. P. Schaffter .....	do .....	2.50
	do .....	Office expenses .....	1.25
24	D. E. Salmon .....	Traveling expenses .....	54.75
	W. E. Siegmund .....	do .....	79.44
	Harry B. Adair .....	do .....	56.25
	Schwarzschild & Sulzberger Co .....	Freight expenses .....	2.54
	Bausch & Lomb Optical Co .....	Camel's-hair brushes .....	.75
30	Louise Breeden et al .....	Salaries .....	2,973.17
	Total first quarter .....		148,706.17
Oct. 1	Jno. H. McNeill .....	Services .....	58.70
	do .....	Traveling expenses .....	31.50
	C. W. Stiles .....	do .....	125.18
	R. Carter Ballantyne .....	Tags, wax .....	7.25
	Leo Baum .....	Photograph for bulletin .....	1.50
2	M. V. Thompson .....	Pigs, feed, etc .....	145.00
	C. T. Kent .....	Calves .....	66.00
	J. W. Nunamaker .....	Clocks, rent of .....	.42
	Hugh M. Rowe .....	Traveling expenses .....	92.35
	W. E. Howe .....	do .....	76.30
	R. A. Ramsay .....	do .....	52.12
4	Chas. A. Brown .....	Services .....	73.40
	H. L. McDonald .....	do .....	73.40
	Dan. McCuningham .....	do .....	97.80
	Wm. G. Shaw .....	do .....	97.80
	Louis Metsker .....	do .....	97.80
	Thos. Castor .....	do .....	97.80
	A. M. Rork .....	do .....	97.80
	Raymond Johnson .....	do .....	97.80
	W. D. Jordan .....	do .....	97.80
	M. B. Miller .....	do .....	97.80
	R. J. Blanche .....	do .....	97.80
	H. M. Burgess .....	do .....	97.80
	M. J. Myer .....	do .....	97.80
	W. E. Hill .....	do .....	97.80
	L. J. Allen .....	do .....	114.20
	Harry D. Paxson .....	do .....	106.52
	P. I. Kershner .....	do .....	106.52
	H. D. Mayne .....	do .....	97.80
	Whitall Tatum & Co .....	Supplies .....	7.50
	Levi P. Beechy .....	Services .....	97.80

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900. Oct. 4	A. J. Pistor	Services	\$97.80
	C. A. Schaufliet et al	Salaries	841.84
	H. A. Hedrick et al	do	463.40
	W. H. Rose et al	do	966.30
5	Julius Huelsen et al	do	613.92
	Geo. C. Faville et al	do	270.80
	Jas. S. Kelly et al	do	270.80
	W. J. Murphy et al	do	173.00
	F. W. Huntington et al	do	147.80
	Edw. P. Dowd et al	do	173.00
	H. T. Potter	Services	35.00
	F. M. Perry	do	114.20
	Chicago and North Western Rwy. Co.	Passenger transportation	42.50
	The Atchison, Topeka and Santa Fe Rwy. Co.	do	30.00
	The Chesapeake and Ohio Rwy. Co	do	30.00
	The Great Northern Rwy. Co	do	15.90
	Union Pacific R. R. Co	do	85.90
	The Chicago, Burlington and Quincy R.R. Co.	do	42.50
	do	do	5.80
	Southern Rwy. Co	do	5.65
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	do	7.90
	Santa Fe Pacific R. R. Co	do	8.65
	do	do	29.65
	The Colorado Southern Rwy. Co	do	8.45
6	E. L. Volgenau et al	Salaries	173.00
	A. G. G. Richardson et al	do	779.80
	R. W. Hickman et al	do	2,462.18
	W. B. Lincoln et al	Services	97.80
	J. Otis Jacobs	do	101.10
	A. B. Morse	do	114.20
	Fredk. Braginton et al	Salaries	173.00
	Ira K. Atherton et al	do	184.64
	W. C. Barth et al	do	187.60
	Joshua Miller et al	do	246.40
	Geo. Ditewig et al	do	261.00
	Thos. J. Turner et al	do	442.00
	A. J. Payne et al	do	781.60
	L. R. Baker et al	do	855.60
	W. S. Cass et al	do	1,043.80
	A. E. Behnke et al	do	1,111.06
8	Jas. Johnston et al	do	1,406.32
	L. A. Robinson et al	do	1,164.30
	Chas. H. Zink et al	do	769.37
	J. J. Brougham et al	do	2,046.36
	Frank D. Ketchume et al	do	818.19
	E. P. Schaffter et al	do	593.60
	Albert Dean et al	do	513.60
	A. R. Wake et al	do	485.53
	Harry W. Waller et al	do	422.03
	Saml. E. Cosford et al	do	173.00
9	S. E. Bennett et al	do	5,430.16
	S. Stewart et al	do	537.20
	L. Enos Day et al	do	173.00
	E. F. Davison et al	do	173.00
	Richd. W. Tuck et al	do	686.73
	W. H. Gibbs	Services	97.80
	D. Cumming	do	85.00
	Chas. H. Stevens	do	114.20
	Orrin W. Snyder	do	114.20
	Geo. S. Hickox	do	81.60
10	Thos. A. Scott	Traveling expenses	40.80
	J. A. Cooper	Use horse and buggy	27.88
	T. A. Shipley et al	Salaries	319.80
	E. N. Hutchinson et al	do	294.63
	Jas. Irwin	Services	81.60
	Louis K. Green et al	Salaries	161.52
	F. W. Hopkins	Services	114.20
	Hugh M. Rowe	do	198.90
	Walter E. Howe	do	97.80
	Thos. A. Bray	do	114.20
	Ada K. Gannon	do	20.39
	Niels C. Sorensen et al	Salaries	1,742.50
	do	Expenses	12.25
	Jno. Forbes et al	Salaries	2,456.67
	W. J. Stewart et al	do	1,133.18
	Wm. Thompson et al	do	1,138.06
	Don. C. Ayer et al	do	4,471.05



## 12 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 11	O. E. Dyson .....	Expenses .....	\$25.40
	O. E. Dyson et al. ....	Salaries .....	7,487.33
	E. W. Barthold et al. ....	do .....	1,887.06
	Herman Busman et al. ....	do .....	825.80
	Jno. McBirney et al. ....	do .....	1,608.72
	Benj. S. Paddock et al. ....	do .....	304.60
	Morris Wooden et al. ....	do .....	5,897.51
12	W. F. Crewe .....	Services .....	19.57
	Chas. O. McDonald .....	do .....	27.39
	Warren J. Fretz .....	do .....	97.80
	O. G. Atherton .....	do .....	114.20
	O. B. Hess et al. ....	Salaries .....	173.00
	Geo. S. Baker et al. ....	do .....	409.40
	Frank T. Shannon et al. ....	do .....	187.60
	Chas. Keane et al. ....	do .....	378.60
	E. B. Jones .....	Traveling expenses .....	72.30
	Z. D. Gilman .....	Filtering tubes, etc. ....	37.60
	Mackall Bros .....	Carbolic acid, etc. ....	18.52
	P. Mann & Co. ....	Seed rye .....	3.00
	Rudolph, West & Co. ....	Rubber hose .....	3.05
	do .....	Hammer, etc. ....	13.47
	do .....	Chamois skins .....	12.00
15	H. P. Armsby et al. ....	Salaries .....	244.40
	B. Howes .....	Services .....	97.80
	C. L. Morin .....	do .....	40.00
	Chas. Cowie .....	do .....	50.00
	R. P. Steddom .....	do .....	114.20
	Fredk. T. Dolan .....	do .....	97.80
	W. P. Ellenberg .....	do .....	97.80
	Jos. M. Turner .....	do .....	56.25
	W. M. Foster .....	do .....	58.80
	Bausch & Lomb Optical Co. ....	Fitting lenses .....	1.00
	The Spectator Co. ....	Tate arithmometer .....	400.00
	Dennison Manufacturing Co. ....	Tags, etc. ....	35.25
	E. J. Brooks & Co. ....	Lead seals .....	357.75
	D. M. Nesbit .....	Services .....	65.00
16	J. Otis Jacobs .....	do .....	97.89
	H. B. Adair .....	do .....	114.20
	W. C. Siegmund .....	do .....	97.80
15	R. H. Treacy .....	do .....	97.80
	United States Electric Lighting Co. ....	Electric current .....	20.73
	do .....	Conduit and cable .....	9.20
	A. Wilson & Bro. ....	Hay and straw .....	1,904.04
	American Ice Co. ....	Ice .....	22.20
	M. Du Perow .....	Blade fans .....	25.80
	Washington Gaslight Co. ....	Gas .....	22.00
	R. A. Pearson .....	Traveling expenses .....	48.00
18	M. S. Lantz .....	Services .....	97.80
	E. A. de Schweinitz .....	Meat, sawdust, etc. ....	26.02
19	Abram M. Adams .....	Traveling expenses .....	69.05
	Chas. E. Steel .....	do .....	5.20
	Thos. A. Bray .....	do .....	18.90
	Dan McCuningham .....	do .....	28.97
	Louis Metsker .....	do .....	48.45
	Geo. C. Moser .....	do .....	44.05
	Peter I. Kershner .....	do .....	15.05
	Wm. G. Shaw .....	do .....	16.95
	Harvey D. Paxson .....	do .....	1.20
	Richd. J. Blanche .....	do .....	5.13
	Murray J. Myers .....	do .....	10.20
	M. B. Miller .....	do .....	11.50
	W. E. Hill .....	do .....	1.75
	Frank C. Eells .....	Services .....	97.80
	W. S. Devoe .....	Traveling expenses .....	81.50
	do .....	do .....	56.25
	E. N. Hutchinson .....	do .....	2.50
	Geo. S. Baker .....	do .....	5.00
	Jno. McBirney .....	do .....	74.01
	W. B. Niles .....	do .....	60.55
	W. C. Honan .....	do .....	19.05
	Jos. M. Turner .....	do .....	12.75
	Jos. W. Park .....	do .....	5.20
	Danl. S. Hays .....	do .....	9.70
	Jno. C. Milnes .....	do .....	1.75
	W. J. Fretz .....	do .....	18.00
	The Office Toilet Supply Co. ....	Towel service .....	140.87
	Chicago Telephone Co. ....	Telephone service .....	43.75
	A. P. Little .....	Paper .....	5.00
	S. W. Burt .....	Horse service .....	15.00
	O. E. Dyson .....	do .....	15.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 19	Rand, McNally & Co .....	Ink .....	\$5.00
	Union Stock Yards and Transit Co. ....	Office rent .....	225.00
	Hiram W. Hawley .....	Use horse and wagon .....	37.50
	do .....	Use horse and buggy .....	23.00
	Gahn & Byrne .....	Office rent .....	675.00
	J. Haberle .....	Repairing lock boxes .....	5.00
	do .....	do .....	2.50
	Jno. Forbes .....	Maintenance of horse and buggy .....	45.00
	Jas. W. Davis .....	Use of horse and buggy .....	18.00
	Nebraska Telephone Co .....	Telephone service .....	13.50
	Central Union Telephone Co .....	do .....	18.00
	Armstrong Laundry .....	Towel service .....	4.00
	Armour Packing Co .....	Telephone service .....	12.50
	Cutler & Neilson Paint and Color Co .....	Thinner .....	2.50
	F. P. Burnap Stationery and Printing Co .....	Ink .....	5.00
	Saml. E. Cosford .....	Use of horse and buggy .....	20.00
	A. Bauman, jr .....	do .....	20.00
	R. C. Kent .....	Calf .....	22.00
	Iowa Telephone Co .....	Telephone service .....	10.50
	Chas. Keane .....	Use of horse and buggy .....	25.00
	Geo. L. McKay .....	Butter .....	29.40
	H. J. Evans .....	do .....	11.20
	W. A. Carpenter .....	do .....	4.60
	J. K. Bennett .....	do .....	5.88
	Lewis Ladrach .....	Cheese .....	12.72
	Mowbray & Robbins .....	Butter .....	2.34
	H. A. Shellenberger .....	do .....	3.75
	Goes Lithographing Co .....	Meat stamps .....	924.94
	Jay E. Williams .....	Traveling expenses .....	3.65
	Chicago Car Seal and Manufacturing Co .....	Tags .....	40.20
	do .....	do .....	19.70
	J. S. Buckley .....	Services .....	97.80
20	Thos. Somerville & Sons .....	Basin .....	1.45
	R. Carter Ballantyne .....	Envelopes, etc .....	56.47
	The Chesapeake and Potomac Telephone Co .....	Telephone services .....	123.75
	Bourbon Stock Yards Co .....	Rent of office .....	30.00
	St. Louis National Stock Yards .....	do .....	50.00
	Missouri and Kansas Telephone Co .....	Telephone service .....	12.50
	W. S. Cass .....	Horse feed .....	10.00
	St. Joseph Stock Yards Co .....	Rent of office .....	90.00
	Iowa Telephone Co .....	Telephone service .....	2.50
	Page County Bank .....	Rent of office .....	8.33
	J. P. Burrows .....	Cholera mixture .....	57.27
	S. E. Bennett .....	Use of saddle horse .....	23.00
	Orrin W. Snyder .....	Maintenance of horse .....	20.00
	E. J. Newmeyer .....	Traveling expenses .....	37.95
23	C. H. Zink .....	Express charges .....	.50
	do .....	Traveling expenses .....	7.80
	do .....	Use of horse and buggy .....	120.00
	B. H. Adams et al .....	Office rent .....	120.00
	R. W. Hickman .....	Street-car fares .....	10.05
	Jas. M. Cadman .....	Office rent .....	90.00
	Gerald E. Street .....	Janitor service .....	24.00
	J. A. Turner Co .....	Office rent .....	36.00
	The Schwarzhild & Sulzberger Co .....	Freight on butter .....	45.81
	do .....	Freight on poultry, etc .....	69.88
	International Office Toilet Supply Co .....	Towel service .....	5.58
	East Buffalo Live-Stock Exchange Co .....	Office rent .....	90.00
	Merchants' Union Ice Co .....	Ice .....	6.08
	New England Telephone and Telegraph Co .....	Telephone service .....	12.00
	do .....	do .....	40.50
	Bay State Clean Towel Co .....	Towel service .....	3.00
	Chesapeake Potomac Telephone Co .....	Telephone service .....	19.50
	The Bell Telephone Co., of Philadelphia .....	do .....	40.00
	A. E. Behnke .....	Use of horse and buggy .....	35.00
	A. G. G. Richardson .....	Ice, etc .....	10.73
	do .....	Use of horse and buggy .....	38.00
	N. Rufus Gill .....	Office rent .....	31.25
	C. A. Schaufier .....	Use of horse .....	60.00
	Jas. Stikeman .....	Office rent .....	125.00
	Roethlisberger & Gerber .....	Cheese .....	14.82
	Armour & Co .....	Butter .....	30.00
	Carrie J. Wilson .....	do .....	3.64
	Chas. P. McCabe & Son .....	do .....	13.95
	Alvah S. Reynolds .....	Cheese .....	17.11
	F. W. Culbertson .....	Butter .....	3.00
	Hunter, Walton & Co .....	do .....	14.03
	R. P. Steddum .....	Traveling expenses .....	68.87
	Cornish, Curtis & Greene Mfg. Co .....	Butter .....	1.41
	G. W. Tortellott .....	Office rent .....	135.00

# 14 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 23	Chas. M. Day	Traveling expenses	\$68.25
	W. H. Wray	Services	375.00
	J. F. Ryder	do	163.00
	E. J. Brooks & Co.	Meat tags	437.25
	F. M. Perry	Traveling expenses	39.70
25	B. P. Wende	do	4.31
	L. A. Robinson	do	37.25
	C. O. Durfer	do	14.58
	W. N. D. Bird	do	10.00
	A. F. Martins	do	10.07
	Jno. P. O'Leary	do	1.95
	Herman R. Ryder	do	4.85
	Harry M. Ball	do	14.80
	F. L. Russell	do	27.15
	do	Services	64.00
	Jno. A. Bell	do	8.00
	Geo. W. Ward	do	70.00
	Chas. Cowie	Traveling expenses	4.75
	Hervey T. Potter	do	10.25
	B. Howes	do	14.90
	H. D. Mayne	do	6.82
	C. L. Morin	do	4.55
24	Gatchel & Manning	Illustrations	25.40
	do	do	25.25
	Raymond Johnson	Traveling expenses	17.77
	W. C. Barth	Ink, etc	2.05
	Albert E. Behnke	Towel service, etc	26.63
	Wm. Thompson	Ink, etc	8.80
	B. L. Stine	Street-car fares	10.90
	F. W. Ainsworth	Cleaning office, etc	3.75
	Don W. Patton	Ink, etc	2.57
	A. R. Wake	Express charges	1.00
	do	Street car fare	4.52
	T. A. Shipley	Express charges	10.35
	Jno. Forbes	Ink, etc	2.45
	Joshua Miller	Coal, etc	4.50
	Chas. Keane	Towel service	4.85
	Chas. M. Day	Hay, etc	16.04
	Jas. B. Clancy	Traveling expenses	28.25
	Chas. H. Stevens	do	39.37
	E. N. Hutchinson	Street-car tickets	25.50
	Southern Ry. Co	Passenger transportation	24.47
	Louisville and Nashville R. R. Co	do	9.00
	Northern Pacific Ry. Co	do	29.05
	Pennsylvania Co	do	17.50
	Oregon Short Line R. R. Co	do	34.50
	The Missouri Pacific Ry. Co	do	4.60
23	Nashville, Chattanooga and St. Louis Ry. Co.	do	40.35
24	E. C. Schroeder	Towel service	5.55
25	L. S. Depue	Oats	33.00
	J. T. Thompson	Envelopes	14.40
	A. Wilson & Bro.	Salt and cabbage	10.05
	Wm. Lochte	Services	9.85
	J. A. Cooper	Use horse and buggy	48.00
26	H. N. Slater	Butter	4.50
	Wyandotte Gas Co.	Gas	.44
	Louis K. Green	Traveling expenses	8.85
	Elwin T. Davison	Office expenses	1.20
	W. S. Cass	do	2.00
	W. S. Devoe	Services	203.80
	do	Traveling expenses	52.00
	Thos. J. Turner	Office expenses	25.70
	Walter E. Howe	Traveling expenses	67.75
	Wm. E. Pratt	Hog rings	19.05
	Chicago Car Seal and Manufacturing Co	Tags	32.40
	J. Wm. Fink	Traveling expenses	10.00
29	Jno. C. Parker	Stationery	129.98
30	Edwd. S. Schmidt	Prepared feed	6.00
	W. M. Galt & Co.	Feed for animals	658.35
	M. G. Copeland & Co	Flag	3.45
	Geo. F. Muth & Co.	Lamps, lanterns, etc	8.22
	do	Gasoline	.85
	Postal Telegraph Cable Co	Telegraph service	18.91
31	Louise Breeden et al	Salaries	3,027.53
Nov. 1	Jas. B. Archer	Calves	100.00
	Don C. Ayer	Use of horse	15.00
	Jas. J. Brangham	Office expenses	21.40
	Frank C. Eells	Traveling expenses	48.30
	M. S. Lantz	do	12.50



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900. Nov. 1	M. S. Lantz .....	Traveling expenses .....	\$55.80
	W. A. Willard .....	do .....	57.66
	W. H. Rose .....	Office expenses .....	25.95
	Hiram Jerome .....	do .....	4.50
	Eph. Dietrich .....	do .....	10.56
	E. J. Brooks & Co .....	Compressor glasses .....	74.00
	The Kansas City Stock Yards Co. ....	Office rent .....	49.50
	Thos. A. Bray .....	Saddle horse, etc .....	72.00
	B. R. Rogers .....	Traveling expenses .....	36.50
	E. A. de Schweinitz .....	do .....	43.60
	R. A. Pearson .....	do .....	93.29
2	United States Envelope Co. ....	Envelopes .....	30.12
	Eimer & Amend .....	Papayotin .....	.40
	United States Envelope Co. ....	Envelopes .....	56.05
	Yawman and Erbe Manufacturing Co. ....	Indexes .....	3.60
	J. P. Nawrath .....	Sponge .....	1.65
	Phil. Lindemeyr .....	Ink .....	9.00
	do .....	do .....	2.88
	Western Union Telegraph Co .....	Telegraph service .....	.90
	Houghton & Delano .....	Seed plates .....	5.31
	E. H. Catlin & Co .....	Supplies .....	3.95
3	Jno. S. Buckley .....	Services .....	101.10
	J. W. Fink .....	do .....	101.10
5	United States Envelope Co. ....	Envelopes .....	66.50
	Chicago Car Seal and Manufacturing Co. ....	Tags .....	50.20
	Eastern Shore of Virginia Produce Ex- change .....	Sweet potatoes .....	20.00
	B. R. Rogers .....	Services .....	101.10
6	Sante Fe Pacific R. R. Co .....	Passenger transportation .....	35.95
	The Texas and Pacific Rwy. Co .....	do .....	6.40
	Oregon Short Line R. R. Co .....	do .....	28.50
	Northern Pacific Rwy. Co .....	do .....	4.35
	Nashville, Chattanooga and St. Louis Rwy. Co. ....	do .....	5.18
	Harry E. Overstreet .....	do .....	1.04
	Vandalia Line .....	do .....	.79
	Star Union Line .....	do .....	1.47
	Geo. Ditewig et al .....	Salaries .....	269.50
	Harry N. Waller et al .....	do .....	425.10
	Chas. H. Stevens .....	Services .....	117.90
	F. W. Huntington et al .....	Salaries .....	155.10
	E. L. Volgenau et al .....	do .....	178.50
	H. A. Hedrick et al .....	do .....	478.30
	Julius Huelsen et al .....	do .....	671.90
	Ewd. P. Dowd et al .....	do .....	178.50
	H. D. Mayne .....	Services .....	101.10
7	J. W. Roberts .....	Pigs .....	55.00
	J. Mantz Engraving Co .....	Engraving .....	50.00
	The Consumers Co .....	Ice .....	28.50
	Leslie J. Allen .....	Services .....	117.90
	Peter I. Kershner .....	do .....	117.90
	Harry D. Paxton .....	do .....	117.90
	Thos. A. Bray .....	do .....	117.90
	W. G. Shaw .....	do .....	101.10
6	Murray J. Myers .....	do .....	101.10
	W. E. Hill .....	do .....	101.10
	Dan McCuningham .....	do .....	101.10
	Louis Metsker .....	do .....	101.10
	Wm. D. Jorden .....	do .....	101.10
	Raymond Johnson .....	do .....	101.10
	H. M. Burgess .....	do .....	101.10
	R. J. Blanche .....	do .....	101.10
	Thos. Castor .....	do .....	101.10
	Monroe B. Miller .....	do .....	101.10
	Chas. E. Steel .....	do .....	101.10
	Chas. A. Brown .....	do .....	75.80
	do .....	Traveling expenses .....	5.50
	Jay E. Williams .....	Services .....	70.80
	Levi P. Beechy .....	do .....	101.10
	Hugh M. Rowe .....	do .....	101.10
	L. Enos Day et al .....	Salaries .....	178.50
	F. M. Perry .....	Services .....	117.90
	Rice P. Steddum .....	do .....	117.90
	Fredk. T. Dolan .....	do .....	44.02
	W. P. Ellenberger .....	do .....	101.10
	J. M. Turner .....	do .....	75.80
	W. M. Foster .....	do .....	60.60
	Fredk. W. Hopkins .....	do .....	117.90
	Harry P. Armsby et al .....	Salaries .....	250.30
8	Albert E. Behnke et al .....	do .....	1,155.70

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Nov. 8	Albert J. Payne et al	Salaries	\$800.88
	Victor A. Norgaard	Traveling expenses	47.70
	E. Burgdorf	Use horse and buggy	25.00
9	Jas. J. Brougham et al	Salaries	2,149.46
	W. S. Cass et al	do	1,172.67
	Albert Dean et al	do	572.80
	Thos. J. Turner et al	do	456.50
	Trojan A. Shipley et al	do	319.11
	Joshua Miller et al	do	254.30
	Ira K. Atherton et al	do	185.40
	Saml. E. Cosford et al	do	178.50
	Louis K. Green et al	do	178.50
	Frank D. Ketchum et al	do	853.80
	Arthur B. Morse	Services	117.90
	Arthur M. Rork	do	101.10
	W. B. Lincoln	do	101.10
	R. H. Treacy	do	101.10
	Geo. S. Hickox	do	84.20
	Laomer West	do	75.80
	H. L. McDonald	do	75.80
	W. G. Shaw	Traveling expenses	40.00
	D. E. Salmon	do	78.48
10	D. M. Nesbit	do	130.66
	do	Services	85.00
	R. W. Hickman	Office expenses	.31
	R. W. Hickman et al	Salaries	2,688.73
	Louis A. Robinson et al	do	1,340.85
	Chas. H. Zink et al	do	811.60
	Geo. C. Faville	Office expenses	7.85
	Geo. C. Faville et al	Salaries	279.60
	W. J. Murphy et al	do	178.50
	Lewis R. Baker et al	do	879.81
	W. C. Barth et al	do	193.70
	Jas. S. Kelly	do	178.50
	Thos. Clarke	Services	100.00
	Julius Huelsen	Office expenses	5.45
12	O. E. Dyson	do	8.65
	O. E. Dyson et al	Salaries	10,941.04
	R. A. Ramsay	Traveling expenses	6.00
	Don C. Ayer et al	Salaries	4,356.64
	Wm. C. Seigmund	Traveling expenses	117.50
	Hugh M. Rowe	do	103.15
	H. A. Hedrick	Office expenses	13.58
	Wm. D. Jorden	Traveling expenses	98.95
	Thos. Castor	do	103.05
	Geo. S. Hickox	do	146.40
	Geo. Carter	do	56.12
	Harry D. Adair	do	55.50
	W. P. Ellenberger	do	79.76
	F. T. Dolan	do	38.93
	Levi P. Beechy	do	91.35
	J. Otis Jacobs	do	56.60
	J. B. Clancy	do	8.80
	G. W. Ward	do	15.00
	O. G. Atherton	do	82.45
	A. R. Wake	do	19.75
	Walter E. Howe	do	91.00
	Lowell Clarke	do	99.00
	Robt. H. Treacy	do	88.65
	Jno. F. Nelson	do	4.35
	O. B. Hess	do	1.15
	L. J. Allen	do	60.05
	T. L. Armstrong	Office expenses	9.30
	A. G. G. Richardson	do	6.42
	Jas. M. Turner	do	4.45
	Lewis R. Baker	do	1.60
	Fredk. Braginton	do	.70
	R. W. Hickman	do	.75
13	Samuel E. Bennett et al	Salaries	5,706.96
	W. H. Rose et al	do	1,000.60
	Jno. Forbes et al	do	2,459.91
14	Belt R. R. and Stock Yards Co.	Office rent	30.00
	Dairymen's Union of California	Cheese and butter	42.31
	Harry N. Waller	Office expenses	6.80
	Frank C. Eells	Services	101.10
	Allen A. Holcombe	do	101.10
	D. Cumming	do	100.00
	Bausch & Lomb Optical Co	Fermentation tubes	7.45
	Morris Wooden et al	Salaries	5,942.49
	New York Telephone Co	Services and rent	30.85

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.	New York Telephone Co	Services and rent	\$19.65
Nov. 14	W. H. Wray	Services	387.50
15	do	Office expenses	16.48
	do	Traveling expenses	16.34
	J. F. Ryder	Services	168.50
	do	Traveling expenses	45.00
	Jno. F. Deadman	Services	18.00
	A. G. G. Richardson et al	Salaries	805.10
	C. A. Schauflier	Office expenses	36.85
	C. A. Schauflier et al	Salaries	903.34
	Jas. Johnson et al	do	1,451.30
	Geo. S. Baker	Office expenses	.25
	Geo. S. Baker et al	Salaries	422.80
	A. J. Pistor	Services	101.10
	Fredk. Braginton et al	Salaries	178.50
	Frank T. Shannon et al	do	193.70
	R. W. Tuck et al	do	492.12
	Chas. Keane et al	do	390.70
	Ed. P. Schaffter et al	do	563.43
	Arthur R. Wake et al	do	634.83
	William Thompson et al	do	1,336.02
	Walter E. Stewart et al	do	1,268.75
	Jno. McBirney et al	do	1,647.00
	Geo. S. Jones	Services	2.23
16	Maggie Murphy	do	12.23
	W. E. Howe	do	101.10
	Orrin W. Snyder	do	117.90
	O. G. Atherton	do	117.90
	B. Howes	do	101.10
	C. L. Morin	do	36.00
	G. W. Ward	do	75.00
	F. L. Russell	do	96.00
	W. T. Crewe	do	101.10
	W. S. Devoe	do	210.60
	Lowell Clarke	do	117.90
	Jas. Irwin	do	84.20
	Ernst N. Hutchinson et al	Salaries	295.10
	O. B. Hess et al	do	178.50
	Thos. L. Armstrong et al	do	1,650.35
	Elwin T. Davison et al	do	178.50
	Tait Butler et al	do	505.42
17	Church & Stephenson	Lumber	75.00
	do	do	19.91
	Jas. S. Topham	Instrument case	14.40
	Mackall Bros	Chemicals	35.88
	R. G. Merrill	Traveling expenses	3.30
	R. A. Ramsay	do	4.75
	Geo. S. Baker	do	5.20
	Peter I. Kershner	do	2.75
	Geo. W. Butler	do	30.68
	Murray J. Myers	do	21.15
	C. L. Morin	do	5.70
	Raymond Johnson	do	19.65
	Dan McCunningham	do	16.00
	W. C. Honan	do	20.60
	Chas. A. Brown	do	30.55
	Geo. W. Ward	do	16.23
	M. B. Miller	do	11.15
	Chas. Cowie	Services	70.00
	Louis Metsker	Traveling expenses	48.25
	Laomer West	do	9.05
	B. Howes	do	8.25
	Allen A. Holcombe	do	33.68
	Chas. E. Steel	do	49.80
	W. G. Shaw	do	42.90
	H. D. Mayne	do	10.22
20	F. M. Perry	do	30.20
	Thos. Castor	do	56.30
	A. M. Rook	do	54.98
	Geo. C. Moser	do	58.85
	Lowell Clarke	do	99.00
	Rice P. Steddom	do	77.18
	W. P. Ellenberger	do	112.55
	Abram M. Adams	do	63.20
	O. G. Atherton	do	106.75
	N. G. Houck	do	82.43
	Chas. M. Day	do	62.50
	W. B. Niles	do	59.65
	Tait Butler	do	12.50



## 18 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Nov. 20	Cora A. Houseman .....	Traveling expenses .....	\$20.41
	R. P. Clarke Co .....	Linen toweling .....	3.13
21	J. A. Cooper .....	Hire horse and buggy .....	48.00
	Frank C. Eells .....	Traveling expenses .....	50.25
	Robt. H. Treacy .....	do .....	77.70
	Levi P. Beechy .....	do .....	126.60
	W. D. Jordan .....	do .....	81.99
	Lislie J. Allen .....	do .....	74.38
22	F. L. Russell .....	do .....	39.55
	M. S. Lantz .....	Services .....	101.10
	Wm. C. Siegmund .....	do .....	101.10
	Axel Kolling .....	do .....	32.61
	Marion Williams .....	Traveling expenses .....	18.60
	Bernard W. Murphy .....	do .....	62.83
	Jno. McBirney .....	do .....	82.36
23	Hugh M. Rowe .....	do .....	100.60
	Goes Lithographing Co. ....	Meat inspection stamps .....	952.20
	do .....	do .....	32.00
	Chicago Car Seal and Manufacturing Co. ....	Disks .....	2.00
	The American Press .....	Clippings .....	20.00
	United States Envelope Co .....	Envelopes .....	82.29
	Ernest Betz .....	Furnace .....	137.50
	American Ice Co .....	Ice .....	18.98
	Wm. H. Rupp .....	Twine .....	3.75
	M. Du Perow .....	Incandescent lights .....	16.25
	E. Burgdorf .....	Use of horse and buggy .....	25.00
24	Chicago, Indianapolis and Louisville R. R. Co. ....	Transportation .....	.56
	Pennsylvania R. R. Co. ....	Passenger transportation .....	12.25
	do .....	do .....	.35
	do .....	do .....	.98
	Southern Rwy. Co. ....	do .....	5.05
	Littlefield, Alvord & Co. ....	Hauling .....	125.00
	W. M. Galt & Co .....	Feed for animals .....	276.35
26	S. R. Burch .....	Traveling expenses .....	58.00
	A. D. Melvin .....	do .....	111.25
	D. Frank Parker .....	Stencil paper, etc. ....	4.25
27	E. D. Markram .....	Hogs .....	90.00
	Z. D. Gilman .....	Supplies .....	11.69
	The Geo. W. Knox Express Co. ....	Transportation .....	1.25
	R. P. Clarke Co. ....	Sheeting .....	3.25
	United States Electric Lighting Co. ....	Electric current .....	15.61
	Hugh Rielly .....	Glass and glue .....	6.13
	Harris & Shafer Co .....	Soldering boxes .....	1.30
	Washington Gaslight Co. ....	Gas .....	27.70
	Edw. S. Schmid .....	Prepared food .....	6.00
	Ernest Betz .....	Repairing copper still .....	20.00
	Rudolph, West & Co .....	Wheelbarrows, etc. ....	43.80
	Wm. Lochte .....	Shoeing horses .....	9.55
	E. C. Schroeder .....	Office expenses .....	11.08
	A. Wilson & Bro .....	Forage .....	1,848.73
28	Hiram W. Hawley .....	Horses and wagons .....	23.00
	S. W. Burt .....	Saddle horse .....	15.00
	H. J. Evans .....	Butter .....	12.00
	David C. Wilbur .....	Cupboard .....	10.00
	Cornish, Curtis & Greene Manufacturing Co. ....	Butter .....	1.94
	Albert Dean .....	Office expenses .....	7.06
	W. E. Hill .....	Traveling expenses .....	2.50
	Don W. Patton .....	Office expenses .....	2.00
	do .....	Use of horse .....	15.00
	Jas. W. Davis .....	Use of horse and buggy .....	18.00
	Hiram W. Hawley .....	Use of horse and wagon .....	40.50
	Detroit Stove Works .....	Stoves .....	48.50
	A. P. Little .....	File case, etc. ....	2.70
	Fort Wayne Coal Co. ....	Coal .....	16.00
	O. E. Dyson .....	Office expenses .....	6.32
	Stock Yard Paint Co. ....	Wire cutters, etc. ....	7.13
	O. E. Dyson .....	Saddle horse .....	15.00
	Albert J. Payne .....	Office expenses .....	7.42
	Walter M. Foster .....	do .....	7.95
	Frank Parker .....	Services .....	26.09
	J. Otis Jacobs .....	Traveling expenses .....	49.55
	Ernest J. Foreman .....	Office expenses .....	9.95
	do .....	do .....	9.25
	Tait Butler .....	do .....	1.70
	do .....	do .....	1.30
	W. E. Howe .....	Traveling expenses .....	91.60
	Harry B. Adair .....	do .....	70.55
	Axel Kolling .....	do .....	12.50

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Nov. 28	Burton R. Rogers	Services	597.80
	The Wollaegeer Manufacturing Co	Desk	26.50
	Tait Butler	Office expenses	2.92
	Albert E. Behnke	Use horse and buggy	35.90
	Jno. McBirney	Office expenses	3.75
	Page County Bank	Office rent	9.15
	J. P. Burrows	Cholera mixture	46.71
	Iowa Telephone Co	Telephone rent	2.50
	Orrin W. Snyder	Keeping horse	20.00
	Saml. E. Cosford	Hire horse and buggy	20.00
	Chas. Keane	do	25.00
	St. Louis National Stock Yards	Office rent	50.00
	A. Bauman	Hire horse and buggy	20.00
	W. S. Cass	Horse feed	10.00
	S. E. Bennett	Saddle-horse hire	23.00
	Silver Laundry and Towel Co	Towel service	6.96
	Chas. H. Stevens	Traveling expenses	39.87
	Wm. E. Mowrer	do	5.98
	Wilton E. Crewe	do	30.40
	Wm. C. Siegmund	do	114.00
30	Jos. Abel et al.	Salaries	3, 108.53
Dec. 1	Wyckoff, Seamans & Benedict	Repairs to typewriter	132.06
	E. A. de Schweinitz	Office expenses	30.43
	A. D. Melvin	Traveling expenses	13.05
	R. W. Hickman	do	14.05
	do	Office expenses	5.45
3	Montague Cooperative Creamery Co.	Butter	36.25
	Chas. Cowie	Traveling expenses	11.84
	W. H. Rose	Office expenses	26.55
	A. G. G. Richardson	Hire horse and buggy	38.00
	do	Office expenses	6.35
	Williams, Brown & Earle	Specimen jars	6.64
	Dennison Manufacturing Co	Meat tags	1.40
	Library bureau	Index cards	21.60
	Bausch & Lomb Optical Co.	Supplies	2.07
	do	do	19.72
	Wm. D. Saunders	Butter	4.62
	Jno. A. Bell	Services	16.00
	M. S. Lantz	Traveling expenses	39.20
	W. H. Gibbs	do	3.89
	Frank Parker	do	18.90
	Geo. S. Hickox	do	163.40
	Thos. Somerville & Sons	Supplies for laboratory	17.03
4	Eastern Shore of Virginia Produce Co	Sweet potatoes	20.00
	Jno. S. Buckley	Services	97.80
	J. Wm. Fink	do	97.80
5	Johnson Bros.	Fuel	96.21
	R. Carter Ballantyne	Wax, etc	15.05
	New York, New Haven and Hartford R. R. Co.	Passenger transportation	10.75
	Pennsylvania R. R. Co.	do	32.95
	Union Pacific R. R. Co.	do	29.35
	Southern Rwy. Co.	do	22.30
	Cincinnati, New Orleans & Texas Pacific Rwy. Co.	do	4.50
	Louisville and Nashville R. R. Co.	do	4.50
6	J. Otis Jacobs	Services	101.10
7	Albert Dean et al	Salaries	513.60
	Jno. McBirney et al	do	1, 591.00
	do	Office expenses	11.13
	Albert J. Payne et al	Salaries	777.58
	Fredk. Braginton et al	do	173.00
	L. Enos Day et al	do	173.00
	Geo. Ditewig et al	do	261.00
	Ira K. Atherton et al	do	179.20
	E. P. Schaffter et al	do	478.06
	Thos. J. Turner et al	do	442.00
	W. S. Cass et al	do	1, 115.54
	W. C. Barth et al	do	187.60
	F. W. Ainsworth et al	do	257.28
	H. D. Mayne	Services	97.80
	E. P. Dowd et al	Salaries	173.00
	H. A. Hedrick et al	do	463.40
	N. K. Fegley et al	do	173.00
	W. J. Stewart et al	do	1, 207.20
	A. E. Behnke et al	do	1, 116.12
	Jas. S. Kelly et al	do	178.87
8	Trajan A. Shipley et al	do	319.80
	Joshua Miller et al	do	246.40
	E. T. Davison et al	do	173.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900. Dec. 8	Willis B. Lincoln et al	Salaries	\$156.60
	Jas. J. Brougham et al	do	2,082.71
	Lewis R. Baker et al	do	894.40
	Lewis K. Green et al	do	173.00
	Saml. E. Cosford et al	do	173.00
	Frank D. Ketchum et al	do	776.54
	O. W. Snyder	Services	114.20
	H. L. McDonald	do	73.40
	Chas. A. Brown	do	73.40
	Arthur M. Rork	do	97.80
	Dan. McCunningham	do	97.80
	Chas. E. Steel	do	97.80
	Wm. G. Shaw	do	97.80
	Richd. J. Blanche	do	97.80
	Wm. D. Jorden	do	97.80
	Louis Metsker	do	97.80
	Raymond Johnson	do	97.80
	Howard M. Burgess	do	97.80
	W. E. Hill	do	97.80
	Thos. Castor	do	97.80
	Murray J. Myers	do	97.80
	Monroe B. Miller	do	97.80
	Peter I. Kershner	do	110.33
	Harry D. Paxson	do	114.20
	L. J. Allen	do	114.20
	Thos. A. Bray	do	114.20
	Harry B. Adair	do	114.20
	Wm. J. Zeh	Fuel	162.24
10	Herman Bussman et al	Salaries	897.14
	Edwin Barthold et al	do	2,160.76
	O. E. Dyson et al	do	7,504.71
	F. W. Huntington et al	do	149.80
	Julius Huelson et al	do	537.00
	do	Office expenses	6.95
	W. A. Rose et al	Salaries	966.30
	Jas. Johnson et al	do	1,411.00
	A. G. G. Richardson et al	do	779.80
	Chas. H. Zink et al	do	788.00
	Geo. C. Faville et al	do	270.80
	W. J. Murphy et al	do	173.00
	Jno. A. Bell	Services	24.00
	E. L. Volgenau	do	114.20
	Chas. A. Schaufier et al	Salaries	799.89
11	Morris Wooden et al	do	5,892.82
	Jas. Irwin	Services	81.60
	J. E. Williams	do	68.40
	D. Cumming	do	110.00
	Arthur B. Morse	do	114.20
	A. J. Pistor	do	97.80
	L. A. Robinson et al	Salaries	1,334.46
	B. Howes	Services	97.80
	C. L. Morin	do	72.00
	R. P. Steddum	do	114.20
	Walter M. Foster	do	58.80
	Fredk. T. Dolan	do	29.35
	Jos. M. Turner	do	73.40
	W. P. Ellenberger	do	97.80
	F. W. Hopkins	do	114.20
	Harry N. Waller et al	Salaries	2,561.82
	Jennie T. Thomson	Envelopes and letter heads	12.16
13	Edwd. Brundige	Services	40.36
	Levi P. Beechy	do	97.80
	W. C. Siegmund	do	97.80
	Axel Kolling	do	97.80
	D. G. Cooper	do	97.80
	Frank C. Eells	do	97.80
	Geo. S. Hickox	do	81.60
	J. Otis Jacobs	do	97.80
	Frank Parker	do	97.80
	M. S. Lantz	do	97.80
	A. A. Holcombe	do	114.20
	W. E. Howe	do	97.80
	R. H. Treacy	do	97.80
	Hugh M. Rowe	do	97.80
	Chas. H. Stevens	do	114.20
	Ernest N. Hutchinson et al	Salaries	285.80
	Geo. S. Baker et al	do	409.40
	Chas. Keane et al	do	378.60
	O. B. Hess et al	do	173.00
	Wm. Thompson et al	do	1,397.17



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Dec. 13	John Forbes et al .....	Salaries .....	\$2,319.71
	Tait Butler et al .....	do .....	498.96
	Don C. Ayer et al .....	do .....	4,096.66
	Toole A. Geddes .....	Services .....	163.00
14	Samuel E. Bennett et al .....	Salaries .....	5,520.62
	N. C. Sorensen et al .....	do .....	1,784.96
	A. R. Wake et al .....	do .....	1,138.53
	Richd. W. Tuck et al .....	do .....	427.68
	Frank T. Shannon et al .....	do .....	187.60
	Wilton F. Crewe .....	Services .....	97.80
	Henry P. Armsby et al .....	Salaries .....	244.40
	G. W. Ward .....	Services .....	55.00
	F. M. Perry .....	do .....	60.87
	H. P. Potter .....	do .....	13.00
	W. H. Wray .....	do .....	375.00
	do .....	Office expenses .....	15.17
	do .....	Traveling expenses .....	16.38
	J. F. Ryder .....	Services .....	163.00
	do .....	Traveling expenses .....	45.00
	do .....	do .....	30.00
	Caroline Burnaby .....	Services .....	40.00
	do .....	do .....	21.93
	John C. Parker .....	Repairing pencil sharpener .....	1.00
	F. L. Russell .....	Services .....	168.00
15	C. M. Day .....	Office expenses .....	15.00
17	Mackall Bros .....	Alcohol, etc. ....	28.58
	do .....	do .....	19.62
	Rudolph, West & Co .....	Wire netting, etc. ....	36.95
	W. B. Moses & Sons .....	Furniture .....	143.40
	Edwd. P. Shaffter .....	Traveling expenses .....	2.20
	Anna B. Armstrong .....	do .....	19.90
	Lowell Clarke .....	Services .....	114.20
	Geo. S. Baker .....	Traveling expenses .....	5.20
	A. J. Pistor .....	do .....	2.50
	R. J. Blanche .....	do .....	1.50
	Peter I. Kershner .....	do .....	5.00
	W. E. Hill .....	do .....	1.25
	Howard M. Burgess .....	do .....	2.75
	Monroe B. Miller .....	do .....	5.80
	John A. Bell .....	do .....	7.12
	E. L. Volgenau .....	do .....	17.45
	John A. Kiernan .....	do .....	30.90
	Nathan K. Fegley .....	do .....	5.50
	Hervy T. Potter .....	do .....	5.00
	F. M. Perry .....	do .....	6.20
18	Abram M. Adams .....	do .....	54.55
	Allen A. Holcombe .....	do .....	23.00
	Chas. A. Brown .....	do .....	17.45
	Dan. McCuningham .....	do .....	18.35
	Leslie J. Allen .....	do .....	29.65
	H. D. Mayne .....	do .....	5.32
	Chas. Cowie .....	do .....	9.65
19	C. L. Morin .....	do .....	23.25
	Chas. Cowie .....	Services .....	95.00
	G. W. Ward .....	Traveling expenses .....	9.80
	Rice P. Steddom .....	do .....	110.01
	W. P. Ellenberger .....	do .....	85.75
	Fredk. T. Dolan .....	do .....	17.58
	Geo. Jobson .....	do .....	12.34
	Chas. M. Day .....	do .....	59.50
	Levi P. Beechy .....	do .....	107.40
	Geo. S. Hickox .....	do .....	88.40
	W. C. Siegmund .....	do .....	59.65
	Matthias S. Lentz .....	do .....	56.92
	Frank C. Eells .....	do .....	52.50
	Thos. A. Bray .....	do .....	8.25
	Raymond Johnson .....	do .....	48.05
	Arthur M. Rork .....	do .....	50.40
	Thos. Castor .....	do .....	46.45
	Murray J. Myers .....	do .....	34.95
	Thos. Redmond .....	do .....	9.35
	Jno. McBirney .....	do .....	73.27
	R. A. Ramsay .....	do .....	5.50
	American Ice Co .....	Ice .....	15.00
20	A. Wilson & Bro. ....	Wheat straw .....	165.00
	Dennison Manufacturing Co .....	Meat tags .....	4.20
	E. J. Brooks Co .....	Compressor glasses .....	74.00
	Harry N. Waller .....	Traveling expenses .....	18.15
	Wm. E. Pratt .....	Hog rings, etc. ....	20.30
	Chicago Car Seal and Manufacturing Co. ....	Tags .....	45.95

## 22 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Dec. 20	W. R. Fleming .....	Traveling expenses .....	\$13.75
	do .....	do .....	13.40
	J. Otis Jacobs .....	do .....	50.15
21	Martha A. Britton .....	do .....	15.21
	O. G. Atherton .....	do .....	19.80
	Lowell Clarke .....	do .....	63.50
	H. M. Rowe .....	do .....	84.00
	Wm. D. Jordan .....	do .....	81.65
	Jno. S. Buckley .....	do .....	9.95
	do .....	do .....	11.61
	Geo. G. Hill .....	do .....	69.60
	do .....	Services .....	50.00
	Chicago and Northwestern Rwy. Co. ....	Passenger transportation .....	42.50
	United States Electric Lighting Co. ....	Electric current .....	16.29
	Washington Gaslight Co. ....	Gas .....	29.80
26	Jos. W. Wilson .....	Traveling expenses .....	28.80
	Chas. Kettler .....	Butchers' overall coats .....	8.25
29	Lutz & Co. ....	Brooms .....	9.00
	Thos. Somerville & Sons .....	Cement, etc. ....	42.57
	W. M. Galt & Co. ....	Feed for animals .....	258.35
	Church & Stephenson .....	Lumber .....	89.00
	do .....	do .....	174.35
	Mackall Bros .....	Supplies .....	107.53
	E. A. de Schweinitz .....	Traveling expenses .....	3.60
	do .....	Office expenses .....	26.77
	Axel Kolling .....	Traveling expenses .....	77.25
	Wilton F. Crewe .....	do .....	66.95
	W. G. Shaw .....	do .....	43.85
	Chas. E. Steel .....	do .....	43.80
	Walter E. Howe .....	do .....	97.78
	Wm. C. Siegmund .....	do .....	119.50
	Robt. H. Treacy .....	do .....	58.55
	W. B. Niles .....	do .....	55.25
	F. T. Dolan .....	do .....	34.75
	Chas. H. Stevens .....	do .....	21.95
	Burton R. Rogers .....	do .....	27.05
	Jay E. Williams .....	do .....	4.15
	Tait Butler .....	Office expenses .....	1.32
	do .....	do .....	3.72
	Don C. Ayer .....	do .....	2.00
	W. S. Cass .....	do .....	2.00
	Chas. M. Day .....	do .....	3.50
31	F. L. Russell .....	Traveling expenses .....	89.80
	Nathan K. Fegley .....	Office expenses .....	4.30
	W. H. Rose .....	do .....	23.40
	B. Howes .....	do .....	2.50
	Harry N. Waller .....	do .....	3.65
	Julius Huelsen .....	do .....	5.15
	E. E. Schroeder .....	do .....	5.55
	Jos. Abel et al. ....	Salaries .....	3,051.30
	Total second quarter .....		234,946.70
1901.			
Jan. 2	Baltimore and Ohio R. R. Co. ....	Passenger transportation .....	67.00
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co. ....	do .....	31.75
	Pennsylvania Co. ....	do .....	17.50
	Kansas City, St. Joseph and Council Bluff R. R. Co. ....	do .....	1.90
	do .....	do .....	21.45
	The Atchison, Topeka and Santa Fe Rwy. Co. ....	do .....	17.00
	The Chesapeake and Ohio Rwy. Co. ....	do .....	2.50
	White Star Line .....	do .....	115.00
	Chicago, Milwaukee and St. Paul Rwy. Co. ....	do .....	12.75
	Santa Fe Pacific R. R. Co. ....	do .....	21.35
	The Missouri Pacific Rwy. Co. ....	do .....	5.80
	Pennsylvania R. R. Co. ....	do .....	6.50
	Southern Rwy. Co. ....	do .....	20.00
	do .....	do .....	15.75
	do .....	do .....	8.90
3	St. Louis National Stock Yards .....	Office rent .....	50.00
	W. S. Devoe .....	Traveling expenses .....	45.00
	do .....	Salary .....	208.80
	do .....	Traveling expenses .....	62.49
	Hibbard, Spencer, Bartlett & Co. ....	Clippers .....	2.00
	Orrin W. Snyder .....	Keep of horse .....	20.00
	J. P. Burrows .....	Hog-cholera mixture .....	8.97
	Page County Bank .....	Office rent .....	10.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. Jan. 3	Wyckoff, Seamans & Benedict	Ink eradicator	\$1.20
	Hiram W. Hawley	Horse and buggy	25.00
	do	do	39.00
	A. M. Rothchild & Co.	Hamper basket	3.48
	A. P. Little	Office expenses	2.20
	S. W. Burt	Hire of horse	15.00
	A. Bauman, jr.	Hire of horse and buggy	20.00
	Jas. W. Davis	do	18.00
	Jas. B. Archer	Calf	12.00
	Jas. Laughlin	do	25.00
	do	Calves	45.00
	Missouri Stock Yard Co.	Stove	3.00
	J. Gates & Bros.	Desk	24.00
	Chicago Car Seal and Manufacturing Co.	Tags, etc	29.85
	Albert Lea Dairy Association	Butter	16.75
	Bausch & Lomb Optical Co.	Microscopical supplies	49.64
	J. P. Nawrath	Sponges, etc	7.75
	do	Twine, etc	19.00
	Eberhard Faber	Rubber bands	41.76
	Yawman & Erbe Manufacturing Co.	Binding cases	3.60
	Queen & Co., Incorporated	Steel tape	2.50
	E. J. Brooks & Co.	Compressor glasses	74.00
	Miller Bros. & Co.	Sweet potatoes	12.00
	B. A. Headley	do	47.81
4	Jas. Lambie	Hardware	34.80
	R. P. Clarke & Co.	India linen	1.00
	do	Red tape	1.79
	do	Silk handkerchiefs	2.50
	Z. D. Gilman	Chemical supplies	12.32
	M. Du Perow	Desk telephone	17.50
	Wm. Lochte	Horseshoeing	5.50
	Barber & Ross	Pliers	12.75
	Standard Oil Co.	Oil	11.44
	East Shore of Virginia Produce Exchange	Sweet potatoes	62.50
	Goes Lithographing Co.	Meat-inspection stamps	634.47
	Chas. Keane	Horse and buggy	25.00
	S. E. Bennett	Saddle horse	23.00
	W. S. Cass	Horse feed	10.00
	Sam. E. Cosford	Horse hire	20.00
	Don C. Ayer	do	15.00
	A. E. Behnke	do	35.00
	Eimer & Amend	Chemicals	4.50
	Michigan Central R. R. Co.	Transportation	1.62
	do	do	.68
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	.45
	Burlington, Cedar Rapids and Northern Rwy. Co.	do	.82
	Chicago, Indianapolis and Louisville Rwy. Co.	do	1.89
	Vandalia Line	do	.79
	Nashville, Chattanooga and St. Louis Rwy. Co.	do	.37
	Burlington and Missouri R. R. in Nebraska	do	4.37
	Pennsylvania Co.	do	.45
7	United States Express Co.	do	4.42
	E. N. Hutchinson	Office expenses	31.40
8	F. M. Perry	Services	117.90
	Jno. A. Bell	do	8.00
	H. D. Mayne	do	101.10
	C. L. Morin	do	62.00
	Hervey T. Potter	do	11.00
	E. L. Volgenau	do	117.90
	A. G. G. Richardson et al	Salaries	805.10
	Jno. McBirney et al	do	1,012.10
	Jno. Forbes	do	2,279.29
	W. S. Cass et al	do	1,156.36
	A. E. Behnke et al	do	1,155.70
	L. R. Baker et al	do	922.80
	A. J. Payne et al	do	806.70
	Geo. Ditewig et al	do	269.50
	E. P. Shaffter et al	do	489.18
	Thos. J. Turner et al	do	456.50
	F. W. Ainsworth et al	do	314.70
9	T. A. Shipley et al	do	330.10
	J. Miller et al	do	254.30
	Tait Butler et al	do	565.14
	Frank D. Ketchum et al	do	792.67
	Ira K. Atherton et al	do	180.40
	Willis B. Lincoln et al	do	161.70



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Jan. 9	F. Braginton et al .....	Salaries .....	\$178.50
	W. C. Barth et al .....	do .....	193.70
	Jos. S. Kelly et al .....	do .....	200.02
	Louis K. Green et al .....	do .....	196.50
	Samuel E. Cosford et al .....	do .....	178.50
	Elwin T. Davison et al .....	do .....	178.50
	L. Enos Day et al .....	do .....	178.50
	Niels C. Sorensen et al .....	do .....	1,850.60
	Jas. J. Brougham et al .....	do .....	2,158.39
	Don C. Ayer et al .....	do .....	4,281.97
	J. Wm. Fink .....	Services .....	101.10
10	Saml. E. Bennett et al .....	Salaries .....	5,884.48
	Albert Dean et al .....	do .....	560.83
	Thos. Castor .....	Services .....	117.90
	Thos. A. Bray .....	do .....	117.90
	H. D. Paxson .....	do .....	117.90
	L. J. Allen .....	do .....	117.90
	Harry B. Adair .....	do .....	117.90
	A. M. Rork .....	do .....	101.10
	Wm. D. Jorden .....	do .....	101.10
	R. J. Blanche .....	do .....	101.10
	Monroe B. Miller .....	do .....	101.10
	W. E. Hill .....	do .....	101.10
	Murray J. Myers .....	do .....	101.10
	W. G. Shaw .....	do .....	101.10
	Howard M. Burgess .....	do .....	101.10
	Chas. E. Steel .....	do .....	101.10
	Raymond Johnson .....	do .....	101.10
	Louis Metsker .....	do .....	101.10
	Peter I. Kershner .....	do .....	76.09
	Dan McCuningham .....	do .....	75.00
	Harry L. McDonald .....	do .....	75.80
	R. H. Treacy .....	do .....	101.10
	D. Cumming .....	do .....	80.00
	A. B. Morse .....	do .....	117.90
	Frank Parker .....	do .....	101.10
	Hugh M. Rowe .....	do .....	101.10
	Geo. S. Hickox .....	do .....	84.20
	Levi P. Beechy .....	do .....	101.10
	W. E. Howe .....	do .....	101.10
	M. S. Lantz .....	do .....	101.10
	A. A. Holcombe .....	do .....	117.90
	Frank C. Eells .....	do .....	101.10
11	Morris Wooden et al .....	Salaries .....	5,878.02
	E. N. Hutchinson et al .....	do .....	295.10
	O. B. Hess et al .....	do .....	178.50
	Chas. Keane et al .....	do .....	390.70
	Frank T. Shannon et al .....	do .....	193.70
	D. Frank Parker .....	Typewriter ribbons .....	13.50
	do .....	Carbon paper .....	2.50
	Jno. C. Parker .....	Knives .....	1.30
12	O. E. Dyson et al .....	Salaries .....	7,764.69
	Frank Rimmer .....	Services .....	6.52
	Genevieve Petrie .....	do .....	13.86
	Walter J. Stewart et al .....	Salaries .....	1,394.29
	Caroline M. Hopkins .....	Traveling expenses .....	5.10
	Pearl M. Finch .....	do .....	15.00
	Geo. S. Baker et al .....	Salaries .....	422.82
	David M. Nesbit et al .....	do .....	150.00
	Geo. C. Walker .....	Smokestack .....	24.00
14	A. R. Wake .....	Services .....	3.80
	Wm. Thompson et al .....	Salaries .....	1,533.32
	A. R. Wake et al .....	do .....	1,205.13
	Wm. Thompson .....	Office expenses .....	20.72
	R. W. Tuck et al .....	Salaries .....	453.97
	Houghton & Delano .....	Supplies .....	6.44
	Church & Stephenson .....	Lumber .....	39.00
	Barber & Ross .....	Sweeping brushes .....	18.75
	W. H. Butler .....	Oil .....	1.00
	M. Du Perow .....	Telephone receiver .....	1.35
	Rudolph, West & Co .....	Scrub brushes .....	52.37
	Mackall Bros .....	Alcohol, etc .....	49.25
	R. W. Hickman .....	Traveling expenses .....	20.10
	G. W. Ward .....	Services .....	50.00
	B. Howes .....	do .....	101.10
	F. L. Russell .....	do .....	40.00
	Chas. Cowie .....	do .....	75.00
	Herman Busman et al .....	Salaries .....	927.90
	Harry M. Ball et al .....	do .....	1,356.10
	E. W. Barthold et al .....	do .....	2,211.26

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Jan. 15	N. K. Fegley et al.	Salaries	\$178.50
	W. J. Murphy et al.	do	178.50
	Edw. P. Dowd et al.	do	178.50
	W. H. Rose et al.	do	974.67
	Julius Huelsen et al.	do	635.01
	H. A. Hedrick et al.	do	478.30
	C. A. Schaufler et al.	do	829.82
	Jas. Johnston et al.	do	1,463.52
	Geo. C. Faville et al.	do	279.60
	C. H. Zink et al.	do	769.70
	F. W. Huntington et al.	do	153.10
	H. N. Waller et al.	do	2,638.30
16	Tootie A. Geddes	Services	168.50
	United States Electric Lighting Co.	Electric current	16.16
	Washington Gaslight Co.	Gas	31.60
	Chas. R. Edmonston	Supplies	2.75
	Z. G. Gilman	Thermometers, etc.	38.91
	F. P. May & Co.	Mousetrap	1.50
	American Ice Company	Ice	15.91
	W. S. Devoe	Services	210.60
	J. Otis Jacobs	do	101.10
	Lowell Clarke	do	117.90
	Thos. Redmond	do	60.60
	A. J. Pistor	do	101.10
	Chas. H. Stevens	do	117.90
	Jas. Irwin	do	84.20
	O. W. Snyder	do	117.90
	Wilton T. Crewe	do	78.26
	R. P. Steddom	do	117.90
	Fredk. W. Hopkins	do	110.33
	do	Office expenses	1.94
	Walter M. Foster	Services	60.60
	J. M. Turner	do	75.80
	W. P. Ellenberger	do	101.10
	F. T. Dolan	do	101.10
	O. E. Dyson	Saddle horse	15.00
	do	Office expenses	14.40
	Maggie Taylor	Services	3.26
	W. S. Cass	Office expenses	3.55
	Inez J. Christie	Traveling expenses	10.35
	Allen A. Holcombe	do	6.75
	E. J. Foreman	Office expenses	9.60
	do	do	9.25
	Boyd Baldwin	Traveling expenses	5.87
	Jno. T. Nelson	do	18.00
	F. D. Ketchum	do	9.05
	A. B. Morse	do	14.75
	W. C. Siegmund	do	20.75
	Thos. A. Bray	do	24.40
	Chas. E. Steel	do	24.20
	Harry B. Adair	do	7.70
	Peter I. Kershner	do	14.90
	Monroe B. Miller	do	18.95
	W. E. Hill	do	1.00
	Henry P. Armsby	do	250.30
	Geo. S. Baker	do	5.00
	O. S. McChesney	do	27.50
17	Henry E. Alvord	do	562.74
	Jos. M. Good	do	17.25
	W. H. Wray	Services	387.50
	do	Office expenses	52.45
	do	Traveling expenses	14.32
	Caroline Burnaby	Services	40.00
	J. F. Ryder	do	168.50
	do	Traveling expenses	47.67
	Thos. Castor	do	60.55
	Murray J. Myers	do	58.05
	Geo. C. Moser	do	53.41
	Frank Parker	do	49.40
	Hugh M. Rowe	do	100.70
	Geo. S. Hickox	do	114.60
	A. B. Morse	do	33.19
	Lowell Clarke	do	73.25
	W. B. Niles	do	53.80
	W. E. Howe	do	79.12
	Chas. M. Day	do	57.89
	Jno. McBirney	do	58.37
	Wilton F. Crewe	do	13.20
	Rice P. Steddom	do	72.16
	W. P. Ellenberger	do	51.93

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Jan. 17	F. T. Dolan.....	Traveling expenses.....	\$85.35
18	A. G. G. Richardson.....	Office expenses.....	6.21
	C. O. Durfee.....	Traveling expenses.....	3.96
	H. M. Ball.....	do.....	12.05
	W. N. D. Bird.....	do.....	8.25
	Bernhard P. Wende.....	do.....	.80
	H. R. Ryder.....	do.....	6.75
	Jno. P. O'Leary.....	do.....	6.35
	C. H. Zink.....	do.....	10.31
	H. D. Mayne.....	do.....	3.82
	C. L. Morin.....	do.....	13.85
	F. L. Russell.....	do.....	15.00
	B. Howes.....	do.....	6.25
	G. W. Ward.....	do.....	6.75
	Chas. Cowie.....	do.....	6.40
	H. T. Potter.....	do.....	2.25
	F. M. Perry.....	do.....	23.20
	David M. Nesbit.....	do.....	63.87
	E. A. de Schweinitz.....	Office expenses.....	21.88
	Jno. C. Parker.....	Stationery.....	61.91
	W. M. Galt & Co.....	Oats.....	400.00
	Edw. S. Schmid.....	Feed.....	6.00
19	R. P. Clarke Co.....	Dusters.....	12.00
	do.....	Cloth.....	1.50
	A. L. Webb & Son's, Branch.....	Alcohol.....	22.81
	J. Walter Michener.....	Butter tub.....	4.50
	A. Cutler & Son.....	Furniture.....	30.50
	T. F. McGrew.....	Services.....	200.00
	W. H. Wray.....	Office expenses.....	11.93
	do.....	Traveling expenses.....	17.72
	C. H. Stevens.....	do.....	80.90
	Levi P. Beechy.....	do.....	84.40
	Wm. D. Jordan.....	do.....	71.35
	J. E. Street.....	Services.....	24.00
	Louis Metsker.....	Traveling expenses.....	72.05
	do.....	do.....	82.50
	H. M. Burgess.....	do.....	60.50
	L. J. Allen.....	do.....	58.30
	Axel Kolling.....	Services.....	101.10
	Iowa Telephone Co.....	Telephone services.....	2.50
	T. I. Wilson.....	Pigs.....	66.00
	J. T. Sullivan.....	Coal.....	7.00
	Cutler & Neilson Paint and Color Co.....	Thinner.....	3.75
	Joe. W. Timmer.....	Supplies.....	5.20
	Frank P. Thien.....	Iron screen.....	2.75
	J. Haberle.....	Supplies.....	10.10
	A. P. Little.....	do.....	5.35
	F. H. Lovell & Co.....	Clock.....	.81
	The Bridgewater Hills Creamery Co.....	Butter.....	1.80
	C. F. Braisted.....	Pencils.....	1.97
21	C. W. Zink.....	Horse and buggy hire.....	120.00
	Withall, Tatum & Co.....	Beakers.....	14.68
	N. R. Gill.....	Office rent.....	31.25
	The Bell Telephone Co., of Buffalo.....	Telephone rent.....	12.00
	Bausch & Lomb Optical Co.....	Flasks, etc.....	2.49
	J. Stikeman.....	Office rent.....	125.00
	Bay State Clean Towel Co.....	Towel supply.....	3.00
	Chas. A. Schaufier.....	Keep of horse.....	60.00
	Library Bureau.....	Book dummies.....	2.50
	New England Telephone and Telegraph Co.....	Telephone rent.....	52.50
	The Bell Telephone Co., of Philadelphia.....	do.....	41.25
	B. H. Adams et al.....	Office rent.....	120.00
	Belt Railroad and Stock Yards Co.....	do.....	30.00
	The East Buffalo Live Stock Exchange Co.....	do.....	90.00
	American Felt Co.....	Felt.....	4.95
	H. W. Hawley.....	Horse and buggy.....	23.00
	do.....	Horse and wagon.....	37.50
	O. E. Dyson.....	Saddle-horse hire.....	15.00
	S. W. Burt.....	do.....	15.00
	O. W. Snyder.....	Keep of horse.....	20.00
	Jno. Forbes.....	do.....	45.00
	Samuel E. Cosford.....	Hire horse and buggy.....	20.00
	A. E. Behnke.....	do.....	35.00
	Thos. A. Bray.....	Saddle-horse hire.....	72.00
	Chas. Keane.....	Hire horse and buggy.....	25.00
	Jas. W. Davis.....	do.....	18.00
	W. V. Davies.....	Painting room, etc.....	84.00
	J. W. Roberts.....	Pigs.....	33.00
	Don. C. Ayer.....	Saddle horse.....	15.00
22	The Geo. W. Knox Express Co.....	Expressage, etc.....	1.52



Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Jan. 22	Merchants Parcel Delivery Co.	Hauling	\$1.93
	The Chesapeake and Potomac Telephone Co	Telephone rent	19.50
	do	Moving telephone	.75
	W. B. Moses & Sons	Desk	28.20
	Mary Connolly	Traveling expenses	21.83
	Wm. Thompson	Office expenses	9.11
	Mary K. Giblin	Traveling expenses	5.38
23	Goes Lithographing Co.	Meat-inspection stamps	569.94
	The Consumers Co.	Ice	24.50
	Gehan & Byrne	Office rent	675.00
	Union Stock Yard and Transit Co	do	225.00
	Office Toilet Supply Co.	Towel service	153.37
	Chicago Telephone Co	Telephone service	43.75
	Fort Wayne Coal Co	Coal	32.00
	A. Bauman, jr	Hire horse and buggy	20.00
	A. E. Behnke	Office expenses	34.43
	Central Union Telephone Co	Telephone service	18.00
	Nebraska Telephone Co	do	13.50
	Frontier Towel Supply Co.	Towel service	11.42
	Bourbon Stock Yard Co	Office rent	30.00
	Iowa Telephone Co	Telephone service	10.50
	Silver Laundry and Towel Co.	Towel service	3.24
	G. W. Tourtellott	Office rent	135.00
	Armour Packing Co	Telephone rent	12.50
	Kansas City Stock Yards Co. of Mo	Office rent	49.50
	St. Louis National Stock Yards.	do	50.00
	Richards & Conover Hardware Co.	Padlocks	15.00
	do	Cutter and plyers	1.00
	Missouri and Kansas Telephone Co	Telephone rent	12.50
	St. Joseph Stock Yards Co.	Office rent	90.00
	Page County Bank	do	10.00
	do	do	1.61
	J. A. Turner Co.	do	36.00
	H. A. Hedrick	Office expenses	8.10
	Geo. C. Faville	do	11.25
	do	do	5.70
24	Jas. M. Codman	Office rent	90.00
	Eastern Shore of Va. Produce Exchange	Sweet potatoes	27.50
	A. Wilson Bro	Cabbage	7.50
	W. M. Galt & Co.	Feed for animals	203.35
	Jas. S. Topham	Telescope case	6.90
	Asbestos Paper Co	Asbestos paper	2.70
	W. S. Cass	Horse feed	10.00
	S. E. Bennett	Use saddle horse	23.00
	A. G. G. Richardson	Use horse and buggy, etc	38.00
	H. F. Miller & Son	Ink	14.40
	International Office Toilet Supply Co.	Towel service	13.87
	Julius Huelson	Traveling expenses	1.25
	A. F. Martins	do	3.90
	R. A. Ramsay	do	4.25
	Margaret Burke	do	22.45
	W. S. Cass	Office expenses	2.00
	O. E. Dyson	do	14.13
	F. T. Shannon	do	2.15
	Julius Huelson	do	7.32
	H. N. Waller	do	5.25
	do	do	.63
	Hiram Jerome	do	6.55
	A. G. G. Richardson	do	6.67
	Ephraim Dietrich	do	5.93
25	N. C. Sorensen	do	22.85
	Jas. S. Kelley	do	1.25
	Don C. Ayer	do	2.00
	Wm. Thompson	do	10.25
	Fredk. Braginton	do	.60
	M. S. Lantz	Traveling expenses	47.60
	Frank Parker	do	32.50
	J. O. Jacobs	do	82.15
	Robt. H. Treacy	do	44.75
	Raymond Johnson	do	16.25
	Jno. McBirney	Office expenses	3.00
	Thos. J. Turner	do	16.14
	W. H. Rose	do	24.40
	T. A. Shipley	do	10.15
	Boyd Baldwin	do	2.72
	Chas. M. Day	do	18.90
26	E. C. Schroeder	do	9.55
	Jno. R. Mohler	Traveling expenses	37.80
	Denison Manufacturing Co.	Meat tags	7.70
28	Chicago Car Seal and Manufacturing Co.	Tags and discs	39.15

## 28 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. Jan. 28	Frank D. Ketchum	Office expenses	\$4.34
	Jno. Forbes	do	2.10
	E. N. Hutchinson	do	5.50
	Joshua Miller	do	3.00
	Louis K. Green	Traveling expenses	7.15
	do	Office expenses	3.00
	A. J. Payne	do	5.20
	D. Cumming	do	4.75
	Frank C. Eells	Traveling expenses	57.24
	C. F. Palmer	do	30.15
	Thos. Redmond	do	3.00
	The Fredk. C. Gross & Bros. Co.	Office rent	51.00
	Mary L. Burke	Traveling expenses	22.45
	Armstrong Steam Laundry	Laundrying	2.88
	Wm. F. Lavery	Traveling expenses	.75
	W. C. Siegmund	Services	29.35
	Burton R. Rogers	do	3.26
	Geo. Jobson	Traveling expenses	13.03
	C. W. Stiles	Office expenses	1.15
	W. E. Pratt	Hog rings	14.70
29	Mackall Bros	Chemicals	9.24
	E. Burdorf	Hire horse and buggy	34.00
30	Fred. Springman	Transportation	.30
	New York Telephone Co	Rent of telephone	26.10
	A. G. G. Richardson	Office expenses	23.33
	Chas. A. Schaufler	do	43.65
	Laura S. Ropiequet	Traveling expenses	16.32
31	Marion Dorset et al.	Salaries	3,204.19
Feb. 1	Jas. W. Wilson	Traveling expenses	8.15
	United States Envelope Co.	Envelopes	9.88
	Coons & Cole	Potatoes	8.26
	Elastic Tip Co	Supplies	7.10
	C. S. Braisted	Pencils	2.20
	Miller Lock Co	Keys, etc	3.21
	Whitall, Tatum & Co	Flasks	7.81
	S. P. Johnson	Typewriters	125.00
	A. Wilson & Bro	Rock salt	9.17
	E. W. Hickman	Traveling expenses	20.40
	A. D. Melvin	do	23.55
2	Louis Hartig	Hardware	1.61
	Houghton & Delano	Kodak, etc	27.82
	C. T. Kent	Calf	5.00
	Jas. Laughlin	do	23.00
	P. E. Crowl Co	Stamp, rubber	64.80
5	A. G. G. Richardson	Use horse and buggy	38.00
	do	do	38.00
	D. E. Salmon	Traveling expenses	9.15
	J. Wm. Fink	Services	103.30
6	The Rio Grande Western Rwy. Co	Passenger transportation	42.50
	Great Northern Rwy	do	8.00
	Atlanta, Knoxville and Northern Rwy. Co.	do	4.41
	Norfolk and Western Rwy. Co.	do	6.10
	Oregon Short Line R. R. Co.	do	18.00
	Chicago and Northwestern Rwy. Co.	do	11.02
	Galveston, Harrisburg and San Antonio Rwy. Co.	do	15.75
	do	do	15.75
	The Chesapeake and Ohio Rwy. Co	do	3.85
	Baltimore and Ohio R. R. Co.	do	28.50
	Southern Rwy. Co.	do	1.40
	Jas. Johnson et al	Salaries	1,448.00
	Jos. M. Good	Services	103.30
7	Rice P. Steddom	do	137.80
	Fredk. W. Hopkins	do	120.60
	W. P. Ellenberger	do	103.30
	Fredk. Dolan	do	103.30
	Jos. M. Turner	do	77.50
	W. M. Foster	do	62.00
	E. P. Schaffter et al.	Salaries	500.94
	E. T. Davison et al	do	182.60
	Fredk. Braginton et al	do	182.60
	W. B. Lincoln et al.	do	165.30
	Edw. P. Dond et al.	do	182.60
	do	Office expenses	.40
	Nathan K. Fegley	do	.50
	W. A. Rose et al.	Salaries	961.10
	Nathan K. Fegley et al	do	182.60
	W. H. Rose	Traveling expenses	3.35
	A. G. G. Richardson et al	Salaries	823.10
	Julius Huelsen et al.	do	687.20

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Feb. 7	H. A. Hedrick et al .....	Salaries .....	\$489.10
	G. C. Faville et al .....	do .....	285.90
	F. W. Huntington et al .....	do .....	157.30
	Henry P. Armsby et al .....	do .....	184.20
8	Albert Dean .....	Office expenses .....	9.19
	Albert Dean et al .....	Salaries .....	619.90
	Harry B. Adair .....	Services .....	120.60
	Thos. Castor .....	do .....	120.60
	Peter I. Kershner .....	do .....	120.60
	Harry D. Paxson .....	do .....	120.60
	Thos. A. Bray .....	do .....	120.60
	L. J. Allen .....	do .....	120.60
	W. E. Hill .....	do .....	103.30
	Arthur M. Rork .....	do .....	103.30
	Wm. G. Shaw .....	do .....	103.30
	Wm. D. Jordan .....	do .....	103.30
	Louis Metsker .....	do .....	103.30
	Chas. E. Steel .....	do .....	103.30
	R. J. Blanche .....	do .....	103.30
	H. M. Burgess .....	do .....	103.30
	Raymond Johnson .....	do .....	163.30
	Murray J. Myers .....	do .....	103.30
	Munroe B. Miller .....	do .....	103.30
	Harry L. McDonald .....	do .....	77.50
	Dan McCunningham .....	do .....	36.67
	do .....	do .....	13.04
	W. S. Cass et al .....	Salaries .....	1,205.40
	F. W. Ainsworth et al .....	do .....	324.60
	Chas. M. Day .....	Services .....	120.60
	Geo. S. Hickox .....	do .....	103.30
	Robt. H. Treacy .....	do .....	103.30
	Hugh M. Rowe .....	do .....	103.30
	R. A. Ramsay .....	do .....	101.10
	F. W. Ainsworth .....	do .....	5.50
	do .....	Office expenses .....	8.00
	H. D. Mayne .....	Services .....	103.30
	Jno. A. Bell .....	do .....	8.00
	B. Howes .....	do .....	103.30
	C. L. Morin .....	do .....	24.00
	D. Cumming .....	do .....	80.00
	W. J. Murphy et al .....	Salaries .....	182.60
9	Niels C. Sorensen et al .....	do .....	2,008.57
	Saml. E. Cosford et al .....	do .....	182.60
	M. O. Anderson et al .....	do .....	103.30
	Geo. Ditewig et al .....	do .....	275.60
	W. C. Barth et al .....	do .....	198.10
	Frank D. Ketchum et al .....	do .....	814.83
	T. J. Turner et al .....	do .....	529.70
	T. A. Shipley .....	do .....	357.60
	L. K. Greene .....	do .....	182.60
	Joshua Miller .....	do .....	260.10
	Jas. S. Kelly .....	do .....	244.60
11	Elmer & Amend .....	Muffles .....	5.55
	Whitall, Tatum & Co .....	Flasks .....	1.79
	A. Wilson & Bro. ....	Cabbage .....	15.25
	M. Du Perow .....	Lamps .....	6.50
	do .....	do .....	6.50
	Wm. Lochte .....	Shoeing horses, etc. ....	10.25
	American Ice Co .....	Ice .....	14.89
	Allen A. Holcombe .....	Services .....	120.60
	Chas. H. Stevens .....	do .....	120.60
	A. J. Pistor .....	do .....	103.30
	Walter E. Howe .....	do .....	103.30
	Jas. Irwin .....	do .....	86.10
	Chicago and Northwestern Rwy. Co .....	Transportation .....	5.89
	do .....	do .....	.22
	do .....	do .....	.25
	Chicago, Indianapolis and Louisville Rwy. Co. ....	do .....	.26
	Chicago, Burlington and Quincy R. R. Co .....	do .....	1.69
	do .....	do .....	.25
	Missouri Pacific Rwy. Co .....	do .....	1.96
	Lake Shore and Michigan Southern Rwy. Co. ....	do .....	.45
	Harry E. Overstreet .....	do .....	1.43
	do .....	do .....	.96
	do .....	do .....	.24
	do .....	do .....	.70
	C. A. Schaufler et al .....	Salaries .....	840.60
	L. A. Robinson et al .....	do .....	1,091.80



## 30 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Feb. 11	Chas. H. Zink et al. ....	Salaries .....	\$754.40
	do .....	Office expenses .....	50
	Ernest L. Volgenau .....	Services .....	120.60
	F. M. Perry .....	do .....	120.60
	New York Telephone Co .....	Telephone services .....	19.60
12	Levi P. Beechy .....	Services .....	103.30
	Lowell Clarke .....	do .....	120.60
	W. S. Devoe .....	do .....	215.30
	L. Enos Day et al. ....	Salaries .....	182.60
	Chas. Keane et al. ....	do .....	399.60
	Ira K. Atherton et al. ....	do .....	180.60
	O. W. Snyder .....	Services .....	120.60
	Frank C. Eells .....	do .....	103.30
	Jno. F. Deadman .....	do .....	60.00
	Arthur B. Morse .....	do .....	11.67
	M. S. Lantz .....	do .....	103.30
	Jno. McBirney .....	do .....	137.80
	O. B. Hess et al. ....	Salaries .....	182.60
	W. J. Stewart et al. ....	do .....	1,553.60
	A. E. Behnke et al. ....	do .....	1,181.30
	A. J. Payne et al. ....	do .....	842.20
	Lewis R. Baker et al. ....	do .....	943.80
	Geo. S. Baker et al. ....	do .....	421.05
	F. T. Shannon et al. ....	do .....	198.10
	R. W. Tuck et al. ....	do .....	458.97
	The Chesapeake and Potomac Telephone Co	Telephone rent .....	123.75
	Barber & Ross .....	Drills .....	3.80
13	Frank Parker .....	Services .....	73.33
	G. W. Ward .....	do .....	55.00
	Chas. Cowie .....	do .....	45.00
	E. A. de Schweinitz .....	Office expenses .....	26.19
	Victor A. Norgaard .....	Traveling expenses .....	83.10
14	Sarah A. Riley .....	Services .....	10.00
	Robt. A. Ramsay .....	do .....	103.30
	C. N. Hutchinson et al. ....	Salaries .....	298.60
	Wm. Thompson et al. ....	do .....	1,714.94
	J. Otis Jacobs .....	Services .....	103.30
	John Forbes et al. ....	Salaries .....	2,343.93
	Jas. J. Brougham .....	Office expenses .....	18.25
	Jas. J. Brougham et al. ....	Salaries .....	2,259.40
	S. E. Bennett et al. ....	do .....	6,201.10
	W. B. Niles et al. ....	do .....	168.10
	Sam'l. G. Hendren .....	Services .....	10.00
	H. N. Waller et al. ....	Salaries .....	2,719.40
	R. P. Clarke Co .....	Towels .....	3.40
	C. Becker .....	Buckets .....	3.48
15	Don. C. Ayer et al. ....	Salaries .....	4,459.38
	B. S. Paddock et al. ....	do .....	242.80
	Wm. C. Honan .....	Traveling expenses .....	19.95
16	E. W. Barthold et al. ....	Salaries .....	2,268.00
	Morris Wooden et al. ....	do .....	6,393.15
	Caroline Burnaby .....	Services .....	40.00
	W. H. Wray .....	do .....	387.50
	do .....	Traveling expenses .....	18.65
	do .....	Office expenses .....	3.65
	T. A. Geddies .....	Services .....	172.20
	G. W. Ward .....	Traveling expenses .....	9.00
18	O. E. Dyson et al. ....	Salaries .....	8,174.18
	Herman Busman et al. ....	do .....	871.40
	A. R. Wake et al. ....	do .....	1,225.63
	Boyd Baldwin et al. ....	do .....	632.43
	J. F. Ryder .....	Services .....	172.20
	do .....	Traveling expenses .....	47.67
	F. M. Perry .....	do .....	31.20
	R. P. Steddom .....	do .....	88.51
	W. P. Ellenberger .....	do .....	68.50
	W. M. Foster .....	Office expenses .....	10.05
	Frederick T. Dolan .....	Traveling expenses .....	12.50
14	M. O. Anderson .....	do .....	5.95
	T. Byron Cracroft .....	do .....	33.95
	M. S. Lantz .....	do .....	48.60
	Geo. S. Baker .....	do .....	5.20
	Frank Parker .....	do .....	2.50
	Robt. H. Treacy .....	do .....	95.95
	Walter E. Howe .....	do .....	72.00
	Allen A. Holcombe .....	do .....	40.18
	Levi P. Beechy .....	do .....	62.50
	J. Otis Jacobs .....	do .....	64.90
	C. M. Day .....	do .....	54.35
	Bausch & Lomb Optical Co .....	Supplies .....	45.03



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Feb. 19	Rochester Optical and Camera Co .....	Supplies .....	\$9.60
	Defur & Co. ....	Cages .....	34.50
	Chas. Cowie. ....	Traveling expenses .....	3.95
	Danl. S. Hays .....	do .....	14.05
	H. D. Mayne .....	do .....	8.22
	Wm. D. Jordan .....	do .....	74.60
	Albert Dean .....	do .....	35.20
	Thos. Castor .....	do .....	39.15
	Dan. McCuningham .....	do .....	32.00
	Louis Metsker .....	do .....	88.10
	Peter I. Kershner .....	do .....	3.51
	Howard M. Burgess .....	do .....	37.58
	Murray J. Myers .....	do .....	33.60
	Harry D. Paxson .....	do .....	5.20
	Chas. E. Steel .....	do .....	18.25
	H. L. McDonald .....	do .....	25.30
	Thos. A. Bray .....	do .....	17.90
	A. M. Rork .....	do .....	10.25
	M. B. Miller .....	do .....	9.95
	W. E. Hill .....	do .....	2.00
	R. J. Blanche .....	do .....	7.27
	Wm. G. Shaw .....	do .....	74.55
	do .....	do .....	58.45
	Frank C. Eells .....	do .....	57.25
	Hugh M. Rowe .....	do .....	101.00
	A. J. Pistor .....	do .....	2.88
	W. B. Niles .....	do .....	53.15
20	S. R. Burch .....	do .....	32.75
	Chas. H. Stevens .....	do .....	116.50
	R. A. Ramsay .....	do .....	4.00
	Geo. S. Hickox .....	do .....	79.60
	L. J. Allen .....	do .....	63.85
	Lowell Clarke .....	do .....	74.25
	E. C. Schroeder .....	Office expenses .....	5.91
	W. S. Cass .....	Feeding horses .....	10.00
	S. E. Bennett .....	Hire of horse, etc. ....	23.00
	O. W. Snyder .....	Keeping horse .....	20.00
	A. Bauman .....	Hire horse and buggy .....	20.00
	E. Burgdorf .....	do .....	21.00
	do .....	Hire team .....	35.00
	W. C. Williams .....	Hire horse and buggy .....	11.00
	Chas. Keane .....	do .....	25.00
	Saml. E. Cosford .....	do .....	20.00
	Don C. Ayer .....	Hire horse .....	15.00
	Jas. W. Davis .....	Hire horse and buggy .....	18.00
	A. E. Behnke .....	do .....	55.00
	J. S. Stott .....	Ink .....	3.60
	The Waterloo Furniture and Carpet Co. ....	Chairs, etc. ....	8.00
	Waughler Bros. ....	Copy press .....	4.60
	Edw. S. Schmid .....	Prepared feed .....	6.00
21	D. Frank Parker .....	Mimeograph supplies .....	17.85
	W. B. Moses & Sons .....	Chairs .....	9.35
	J. Baumgarten & Sons .....	Stenciling plates .....	3.00
	Wagner Typewriter Co .....	Typewriters .....	125.00
	Capital Traction Co .....	Car tickets .....	10.00
	W. M. Galt & Co .....	Feed for animals .....	276.35
	St. Louis National Stock Yards .....	Office rent .....	50.00
	Fort Wayne Coal Co .....	Coal .....	16.00
	Hiram W. Hawley .....	Hire horse and buggy .....	23.00
	do .....	Hire horse and wagon .....	39.00
	Union Stock Yards and Transit Co. ....	Electric current .....	4.09
	A. P. Little .....	Mucilage .....	4.60
	S. W. Burt .....	Hire saddle horse .....	15.00
	Stock Yard Paint Co .....	Supplies .....	3.25
	O. E. Dyson .....	Hire saddle horse .....	15.00
	Wyckoff, Seamans & Benedict .....	Paper, etc. ....	3.90
	J. Haberle .....	Repairs to lock boxes .....	3.00
	Raymond Johnson .....	Traveling expenses .....	32.00
	W. S. Cass .....	Office expenses .....	2.00
	L. Enos Day .....	do .....	3.45
	Boyd Baldwin .....	do .....	5.92
	Don C. Ayer .....	do .....	1.90
	O. W. Kurtz .....	Meals and lodging and hire of team, etc. ....	15.25
	Valley Paper Co .....	Map paper .....	32.80
	Julius Huelsen .....	Office expenses .....	5.92
	Fredk. W. Ainsworth .....	do .....	4.75
	C. L. Morin .....	Traveling expenses .....	6.15
	H. T. Potter .....	Services .....	3.00
	A. G. G. Richardson .....	Office expenses .....	6.69

## 32 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Feb. 23	Postal Telegraph-Cable Co .....	Telegraph service .....	\$17.68
	W. S. Devoe .....	Traveling expenses .....	50.75
	W. B. Niles .....	Office expenses .....	73.25
	Saml. G. Hendren .....	Traveling expenses .....	30.50
	.....do .....	Office expenses .....	8.50
	W. H. Rose .....	.....do .....	30.70
25	C. W. Stiles .....	Traveling expenses .....	69.16
26	Arthur Sherman .....	.....do .....	9.75
	The A. H. Andrews Co .....	Furniture .....	30.50
	W. E. Pratt .....	Hog rings, etc .....	15.65
	Houghton & Delano .....	Prints .....	3.80
	Western Union Telegraph Co .....	Telegraph service .....	2.13
	Wyckoff, Seamans & Benedict .....	Repairs to typewriter .....	.25
	United States Electric Lighting Co .....	Electric current .....	17.34
	Washington Gaslight Co .....	Gas .....	33.70
	Rudolph, West & Co .....	Hammers, etc .....	4.82
	Thos. Redmond .....	Services .....	38.00
27	Chicago, Rock Island and Pacific Rwy. Co .....	Passenger transportation .....	12.50
	Star Union Line .....	.....do .....	1.21
	Illinois Central R. R. Co .....	.....do .....	4.52
	Boston and Maine R. R. Co .....	.....do .....	1.07
	Southern Rwy. Co .....	.....do .....	39.20
	The Lake Shore and Michigan Southern Rwy. Co .....	.....do .....	10.00
	Chicago, Milwaukee and St. Paul Rwy. Co .....	.....do .....	7.39
	Adams Express Co .....	Transportation .....	135.65
28	United States Envelope Co .....	Envelopes .....	12.86
	.....do .....	.....do .....	1.76
	J. P. Nawrath .....	Sponges .....	14.00
	Marion Dorset et al .....	Salaries .....	3,041.70
Mar. 2	A. Wilson & Bro .....	Hay and straw .....	1,908.95
	Leo Baum .....	Photographic reproductions .....	7.00
	.....do .....	Photographs for annual report .....	1.25
	The Elastic Tip Co .....	Rubber stamp holders .....	26.00
	Dennison Manufacturing Co .....	Tags .....	2.35
	.....do .....	.....do .....	9.80
	.....do .....	.....do .....	264.00
7	H. N. Waller et al .....	Salaries .....	2,442.70
	J. Wm. Fink .....	Services .....	93.40
8	E. L. Volgenau .....	.....do .....	108.80
	D. Cumming .....	.....do .....	70.00
	Toobie A. Geddes .....	.....do .....	155.60
	H. D. Mayne .....	.....do .....	93.40
	A. G. G. Richardson et al .....	Salaries .....	759.20
	Jas. Johnston et al .....	.....do .....	1,361.20
	Julius Huelsen et al .....	.....do .....	620.60
	Saml. G. Hendren et al .....	.....do .....	127.40
	E. P. Dowd et al .....	.....do .....	164.80
	H. A. Hedrick et al .....	.....do .....	441.80
	N. K. Pegley et al .....	.....do .....	164.80
	F. W. Huntington et al .....	.....do .....	141.40
	W. H. Rose et al .....	.....do .....	919.30
9	Jas. Irwin .....	Services .....	77.80
	A. J. Pistor .....	.....do .....	93.40
	M. O. Anderson .....	.....do .....	93.40
	R. A. Ramsay .....	.....do .....	93.40
	Geo. S. Hickox .....	.....do .....	93.40
	Allen A. Holcombe .....	.....do .....	108.80
	Orrin W. Snyder .....	.....do .....	108.80
	A. J. Payne et al .....	Salaries .....	752.91
	Albert Dean et al .....	.....do .....	466.80
	Harry D. Paxson .....	Services .....	108.80
	L. J. Allen .....	.....do .....	108.80
	Thos. Castor .....	.....do .....	108.80
	Peter I. Kershner .....	.....do .....	108.80
	H. B. Adair .....	.....do .....	108.80
	A. M. Rork .....	.....do .....	108.80
	Thos. A. Bray .....	.....do .....	108.80
	H. B. Miller .....	.....do .....	93.40
	R. Johnson .....	.....do .....	93.40
	W. D. Jorden .....	.....do .....	93.40
	H. M. Burgess .....	.....do .....	93.40
	M. J. Myers .....	.....do .....	93.40
	Geo. C. Moser .....	.....do .....	93.40
	Dan. McCunningham .....	.....do .....	93.40
	W. E. Hill .....	.....do .....	93.40
	Chas. E. Steel .....	.....do .....	93.40
	Wm. G. Shaw .....	.....do .....	93.40
	R. J. Blanche .....	.....do .....	93.40
	Harry L. McDonald .....	.....do .....	70.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. Mar. 9	Fredk. Braginton et al.	Salaries	\$164.80
	E. P. Schaffter et al.	do	447.05
	C. M. Day	Services	108.80
	do	Office expenses	13.50
	Chas. H. Stevens	Services	108.80
	R. P. Steddom	do	124.40
	Fredk. W. Hopkins	do	108.80
	W. P. Ellenberger	do	93.40
	Fredk. T. Dolan	do	93.40
	Jas. W. Turner	do	70.00
	Walter M. Foster	do	56.00
	Goes Lithographing Co.	Meat-inspection stamps.	588.58
11	F. W. Ainsworth et al.	Salaries	286.80
	T. A. Shipley et al.	do	304.80
	L. E. Day et al.	do	164.80
	S. E. Costford et al.	do	164.80
	Willis P. Lincoln et al.	do	117.40
	E. T. Davison et al.	do	178.80
	E. N. Hutchinson et al.	do	268.80
	Geo. Ditewig et al.	do	248.80
	T. J. Turner et al.	do	581.60
	J. J. Brougham et al.	do	2,028.60
	Boyd Baldwin et al.	do	580.20
	Jos. M. Good	Traveling expenses	24.20
	Jos. M. Good et al.	Salaries	113.40
	Louis Metsker	Services	93.40
	H. J. Washburn	Traveling expenses	41.65
	R. A. Pearson	do	179.38
12	C. H. Zink et al.	Salaries	1,657.60
	C. A. Schaulfer et al.	do	768.80
	Geo. C. Faville et al.	do	258.20
	F. L. Russell	Services	16.00
	Benj. Howes	do	108.80
	F. M. Perry	do	108.80
	Henry P. Armsby et al.	Salaries	166.60
	W. J. Murphy et al.	do	164.80
	Toole A. Geddes	Traveling expenses	112.05
	The Franklin County Creamery Association.	Butter	46.05
	Joshua Miller et al.	Salaries	234.80
	Ira K. Atherton et al.	do	168.80
	Jas. S. Kelly et al.	do	164.80
	Louis K. Green et al.	do	164.80
	W. C. Barth et al.	do	413.60
	Frank D. Ketchum et al.	do	741.40
	W. S. Cass et al.	do	1,031.80
	Albert E. Behnke et al.	do	1,080.80
	S. E. Bennett et al.	do	5,634.86
	Lewis R. Baker et al.	do	852.40
	O. B. Hess et al.	do	164.80
	Chas. Keane et al.	do	360.80
	Geo. S. Baker et al.	do	390.40
	E. A. de Schweinitz	Office expenses	29.63
	Henry E. Alvord	Traveling expenses	102.25
	R. A. Pearson	do	2.50
13	O. E. Dyson et al.	Salaries	8,309.00
	W. B. Niles et al.	do	198.80
	Jno. Forbes et al.	do	2,282.07
	Don C. Ayer et al.	do	4,434.13
	Chas. Cowie	Services	60.00
	C. L. Morin	do	21.00
	Edwd. B. Markham	Hogs	90.00
	C. Wardell Styles	Traveling expenses	132.03
	Merchants' Refrigerating Co.	Transportation	429.99
	Jno. C. Parker	Stationery	255.64
14	Benj. S. Paddock et al.	Salaries	219.40
	Edwin W. Barthold et al.	do	1,848.00
	Morris Wooden et al.	do	5,768.93
	Albert E. Behnke et al.	do	1,399.12
	R. W. Tuck et al.	do	424.07
	N. C. Sorensen et al.	do	1,746.10
	S. Kann, Sons & Co.	Muslin	1.20
	R. Carter Ballantyne	Pens. etc	80.00
15	Johnson Electric Service Co.	Mechanical microscope stage	25.00
	C. H. Bridges	Services	15.00
	Frank Parker	do	93.40
	M. S. Lantz	do	93.40
	H. M. Rowe	do	93.40
	L. P. Beechy	do	93.40



## 34 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Mar. 15	Jno. McBirney .....	Services .....	\$124.40
	W. S. Devoe .....	do .....	175.00
	Walter E. Howe .....	do .....	93.40
	J. Otis Jacobs .....	do .....	93.40
	R. H. Treacy .....	do .....	93.40
	Frank E. Eells .....	do .....	93.40
	Jno. McBirney .....	Traveling expenses .....	105.82
	F. T. Shannon et al .....	Salaries .....	205.47
	W. H. Gibbs et al .....	do .....	32.00
16	W. H. Rose .....	Office expenses .....	19.45
	Julius Huelsen .....	do .....	5.60
	Nathan K. Fegley .....	do .....	.50
	do .....	do .....	.50
	J. F. Ryder .....	Traveling expenses .....	47.67
	do .....	Services .....	155.60
	G. W. Ward .....	Traveling expenses .....	11.75
	do .....	Services .....	60.00
	F. M. Perry .....	Traveling expenses .....	10.70
	F. L. Russell .....	do .....	8.35
	H. D. Mayne .....	do .....	8.92
	C. L. Morin .....	do .....	5.95
	Chas. Cowie .....	do .....	15.35
	Jno. A. Bell .....	Services .....	32.00
	W. S. Devoe .....	Traveling expenses .....	72.10
	do .....	do .....	53.62
	Geo. S. Hickox .....	do .....	39.50
	Chas. M. Day .....	do .....	30.00
	M. S. Lantz .....	do .....	22.50
	Levi P. Beechy .....	do .....	32.00
	Ernest N. Hutchinson .....	Office expenses .....	10.95
	Geo. S. Baker .....	Traveling expenses .....	5.20
	W. B. Niles .....	do .....	40.20
	do .....	Office expenses .....	50.50
	Frank T. Shannon .....	Traveling expenses .....	10.55
	W. S. Cass .....	Office expenses .....	3.50
	Frank C. Eells .....	Traveling expenses .....	26.25
	Mary A. Atwood et al .....	Salaries .....	77.63
	O. E. Dyson .....	Office expenses .....	8.63
	Evalina M. Shepard .....	Services .....	2.51
	G. A. Lytle .....	Traveling expenses .....	14.59
	Lila Robinson .....	Services .....	18.33
	W. C. Honan .....	Traveling expenses .....	18.25
	Jno. Forbes .....	Office expenses .....	8.70
	F. L. De Wolf .....	Traveling expenses .....	28.25
	R. A. Ramsay .....	do .....	7.75
	Jas. W. Chowning .....	do .....	12.30
	Frank Parker .....	do .....	11.50
	T. Byron Cracroft .....	Services .....	65.40
	Wm. E. Hall .....	Traveling expenses .....	5.80
	William Thompson .....	Office expenses .....	17.74
	do .....	do .....	8.14
	Albert Dean .....	Traveling expenses .....	15.95
	Peter I. Kershner .....	do .....	27.71
	Geo. C. Moser .....	do .....	40.40
	Richd. J. Blanche .....	do .....	11.99
	Howard M. Burgess .....	do .....	3.25
	Harry D. Paxson .....	do .....	6.40
	W. E. Hill .....	do .....	3.00
	Arthur M. Rork .....	do .....	15.50
	Dan. McCuningham .....	do .....	18.41
	Lowell Clarke .....	Services .....	108.80
	E. C. Schroeder .....	Office expenses .....	5.75
18	Chicago Car Seal and Manufacturing Co. ....	Tags .....	34.65
	do .....	do .....	31.50
	Wm. Thompson et al .....	Salaries .....	1,436.70
	Raymond Johnson .....	Traveling expenses .....	18.90
	C. E. Udell & Co .....	Cheese .....	19.11
	O. E. Dyson .....	Office expenses .....	9.70
	Boyd Baldwin .....	do .....	4.92
	Don C. Ayer .....	do .....	3.23
	E. N. Hutchinson .....	do .....	30.95
	Martha A. Britton .....	Traveling expenses .....	2.75
	Chas. M. Day .....	Office expenses .....	8.00
	Chas. H. Stevens .....	Traveling expenses .....	36.65
	O. B. Hess .....	do .....	2.95
	A. G. Bibb .....	do .....	17.70
	Hugh M. Rowe .....	do .....	69.50
	Jno. McBirney .....	do .....	64.75
	Chas. E. Steel .....	do .....	22.05
	Thos. Castor .....	do .....	25.40



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Mar. 18	L. J. Allen .....	Traveling expenses .....	\$45.00
	Louis Metsker .....	do .....	65.40
	W. D. Jordan .....	do .....	61.60
	R. P. Steddum .....	do .....	99.11
	W. P. Ellenberger .....	do .....	51.50
	Spring Brook Creamery Co .....	Butter .....	17.37
	Louis Hax Furniture Co .....	Window shades .....	4.75
	Schiel & Carson .....	Stove .....	15.25
	International Seal and Lock Co .....	Car seals .....	125.00
	Goes Lithographing Co .....	Meat inspection stamps .....	917.02
	Z. D. Gilman .....	Supplies .....	14.07
	do .....	do .....	78.22
	Jas. S. Topham .....	Telescope case .....	1.00
	do .....	Straps .....	9.00
	American Ice Co .....	Ice .....	13.09
	Rudolph, West & Co .....	Hammers, etc. .....	45.24
	J. A. Turner Co .....	Office rent .....	18.43
	M. Benson .....	Cheese .....	23.69
	Bausch & Lomb Optical Co .....	Supplies .....	20.73
	United States Envelope Co .....	Envelopes .....	112.70
	Dennison Manufacturing Co .....	Meat tags .....	3.15
	A. G. G. Richardson .....	Office expenses .....	5.94
	Rosemary Creamery Co .....	Butter .....	19.60
19	New York Prisen Co .....	Canopy .....	47.00
	J. P. Nawrath .....	Twine .....	6.38
	The Friedenwald Co .....	Certificates .....	17.50
	Wm. E. Pratt .....	Hog ringers .....	8.22
	Thos. Somerville & Sons .....	Lime, etc. .....	16.14
	M. G. Copeland & Co .....	Flag .....	3.45
	Jas. B. Lambie .....	Horse clippers, etc .....	26.87
	Leidy S. Depue .....	Oats .....	33.00
	Houghton & Delano .....	Prints .....	2.44
	The Geo. W. Knox Express Co .....	Transportation .....	1.37
20	W. H. Wray .....	Services .....	350.00
	do .....	Traveling expenses .....	14.78
	do .....	Office expenses .....	5.76
	Caroline Burnaby .....	Services .....	40.00
	Jas. W. Davis .....	Use of horse and buggy .....	18.00
	H. W. Hawley .....	Use of horse and wagon .....	36.00
	do .....	Use of horse and buggy .....	23.00
	F. W. Ainsworth .....	Office expenses .....	4.70
	J. C. Beattie .....	Repairs to furniture, etc .....	23.00
	Wm. Lochte .....	Shoeing horses, etc .....	12.50
	Edw. S. Schmidt .....	Prepared feed .....	7.00
	Eastern Shore of Virginia Produce Exchange .....	Sweet potatoes .....	20.00
21	Schwarzschild & Sulzberger Co .....	Freight .....	396.03
	Richd. W. Hewitt .....	Traveling expenses .....	4.52
	A. G. G. Richardson .....	Horse hire .....	38.00
	Simpson, McIntire & Co .....	Butter .....	25.00
	L. S. Ropiequet .....	Traveling expenses .....	5.10
	E. J. Foreman .....	Car fare .....	9.60
	A. J. Pistor .....	Traveling expenses .....	5.29
	Chicago Car Seal and Manufacturing Co .....	Tags .....	73.58
	do .....	Disks .....	56.20
	A. E. Behnke .....	Horse hire .....	35.00
	W. S. Cass .....	Feeding horse .....	10.00
	O. W. Snyder .....	Keeping horse .....	20.00
	Don C. Ayer .....	do .....	15.00
	A. Greenwood & Co .....	Painting floor .....	3.50
	A. Bauman, jr .....	Horse hire .....	20.00
	W. P. Campbell .....	Pigs .....	60.00
	Saml. E. Cosford .....	Horse hire .....	20.00
	American Desk Co .....	Furniture .....	28.00
	O. E. Dyson .....	Horse hire .....	15.00
	Ft. Wayne Coal Co .....	Coal .....	32.00
	Marshall Field & Co .....	Felt .....	6.67
	S. W. Burt .....	Horse hire .....	15.00
	St. Louis National Stock Yards .....	Rent .....	50.00
	Chas. Keane .....	Horse hire .....	25.00
	S. E. Bennett .....	do .....	23.00
	Houghton & Delano .....	Developing films .....	4.80
	D. Frank Parker .....	Typewriter paper .....	45.00
	A. Wilson & Bro .....	Cabbage .....	25.15
	W. M. Galt & Co .....	Feed .....	658.35
23	R. Carter Ballantyne .....	Labels .....	.32
	The Kny Sheerer Co .....	Glass barrels .....	12.40
25	A. A. Holcombe .....	Traveling expenses .....	87.64
	United States Electric Lighting Co .....	Electric current .....	15.41
	Washington Gas Light Co .....	Gas .....	33.20

# 36 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Mar. 25	The Chesapeake and Potomac Telephone Co.	Telephone service .....	\$0.80
27	Jno. C. Parker .....	Knives .....	.65
	A. D. Melvin .....	Traveling expenses .....	8.60
	Wagner Typewriter Co .....	Typewriter attachments .....	4.50
	Allen Stephenson & Co .....	Furniture .....	36.00
	Hall & Hawkins .....	do .....	35.25
	W. G. Shaw .....	Traveling expenses .....	69.20
	A. E. Harris .....	do .....	12.55
	Murray J. Myers .....	do .....	14.21
	Joshua Miller .....	Office expenses .....	6.53
	Mary K. Giblin .....	Traveling expenses .....	.85
	Sterchi Bros. .....	Furniture .....	55.00
29	The Friedenwald Co .....	Certificates meat inspection .....	650.00
30	Marion Dorset et al .....	Salaries .....	3,312.55
	Total, third quarter .....		236,252.66
Apr. 1	R. W. Hickman .....	Traveling expenses .....	2.65
	Pennsylvania Co .....	Passenger transportation .....	17.50
	Illinois Central R. R. Co .....	do .....	16.94
	Galveston, Harrisburg, and San Antonio Rwy. Co. ....	do .....	22.05
	Baltimore and Ohio R. R. Co. ....	do .....	51.50
	do .....	do .....	17.50
	The Missouri Pacific Rwy. Co .....	do .....	33.50
	Pennsylvania R. R. Co .....	do .....	88.50
	Union Pacific R. R. Co .....	do .....	5.05
	Burlington and Missouri Pacific R. R. Co ..	do .....	20.45
	The Chicago, Burlington, and Quincy R. R. Co. ....	do .....	9.04
	do .....	do .....	4.66
	New York, Texas, and Mexican Rwy. Co. ....	do .....	39.70
	The Chesapeake and Ohio Rwy. Co. ....	do .....	55.50
	Missouri, Kansas, and Texas Rwy. Co .....	do .....	4.16
	J. Wm. Fink .....	Services .....	103.30
	W. C. Pennywitt .....	Traveling expenses .....	6.60
2	Elmer H. Catlin & Co .....	Telescope tubes, etc .....	7.69
	R. P. Clarke Co .....	Cloth .....	1.83
	Mackall Bros .....	Supplies .....	162.25
	Leo Baum .....	Material for illustrations .....	12.50
	W. B. Moses & Sons .....	Chairs .....	48.25
	Jas. B. Lambie .....	Chuck .....	7.50
	do .....	Repairing screws, etc .....	1.81
	Jno. E. First .....	Services .....	14.00
	W. C. Barth .....	Office furniture .....	45.00
3	Miller Lock Co .....	Padlock .....	21.00
	Eimer & Amend .....	Supplies .....	9.50
	do .....	Distilling bulbs .....	7.20
	The Publishers & Printers' Engraving Co. ....	Engraving .....	7.31
	Wm. Kraft .....	Cover slips .....	5.10
	Phillip Lindemeyr .....	Ink pad .....	9.00
	W. B. Badger & Co .....	Office furniture .....	31.00
	United States Envelope Co. ....	Envelopes .....	12.94
	Library Bureau .....	Cards, etc .....	15.65
	Eberhard Faber .....	Bands .....	2.90
	Standard Oil Co .....	Paraffin .....	9.90
	Simeon Trenner .....	Water motor .....	22.00
	H. J. Washburn .....	Services .....	103.30
4	R. W. Hickman .....	Traveling expenses .....	21.95
	Albert Dean et al .....	Salaries .....	516.60
	P. I. Kershner .....	Services .....	120.60
	A. M. Rork .....	do .....	120.60
	F. T. Shannon .....	do .....	120.60
	R. J. Blanche .....	do .....	120.60
	Thos. Castor .....	do .....	120.60
	H. B. Adair .....	do .....	120.60
	Thos. A. Bray .....	do .....	120.60
	A. R. Wake .....	do .....	120.60
	L. J. Allen .....	do .....	120.60
	Harry D. Payson .....	do .....	120.60
	M. B. Miller .....	do .....	103.30
	Louis Metsker .....	do .....	103.30
	W. E. Hill .....	do .....	103.30
	M. J. Myers .....	do .....	103.30
	H. M. Burgess .....	do .....	103.30
	Geo. C. Moser .....	do .....	103.30
	W. G. Shaw .....	do .....	103.30
	Wm. D. Jorden .....	do .....	103.30
	Danl. McCuningham .....	do .....	103.30

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. Apr. 4	Harvey L. McDonald	Services	\$77.50
5	W. B. Lincoln	do	103.30
	Jos. M. Good et al.	Salaries	165.30
	Fredk. Braginton et al.	do	182.60
	Geo. Ditewig et al.	do	275.60
	Joshua Miller et al.	do	256.17
	T. A. Shipley et al.	do	237.50
	W. C. Barth et al.	do	458.20
	E. P. Schaffter et al.	do	499.98
	A. J. Payne et al.	do	762.23
	L. R. Baker et al.	do	943.80
	W. H. Rose et al.	do	1,019.10
	Julius Huelsen et al.	do	687.20
	H. A. Hedrick et al.	do	489.10
	N. K. Fegler et al.	do	182.60
	E. L. Valgenau	Services	120.60
	H. D. Mayne	do	103.30
6	Saml. G. Hendren	do	120.60
	W. S. Cass et al.	Salaries	1,189.90
	Jno. Forbes et al.	do	2,549.73
	W. J. Stewart et al.	do	912.93
	A. E. Behnke et al.	do	1,141.96
	Boyd Baldwin et al.	do	642.40
	L. K. Green et al.	do	182.60
	Ira K. Atherton et al.	do	185.60
	W. B. Niles et al.	do	208.10
	R. P. Steddom et al.	do	210.10
	W. P. Ellenberger	Services	103.30
	F. T. Dolan	do	103.30
	Jos. M. Turner	do	77.50
	W. M. Foster	do	62.00
8	R. A. Ramsay	do	103.30
	Allen A. Holcombe	do	120.60
	Asa N. McQueen	do	20.00
	D. Cumming	do	95.00
	C. A. Schaulier et al.	Salaries	981.90
	E. P. Dowd et al.	do	182.60
	G. C. Faville et al.	do	285.90
	Jas. Johnson et al.	do	1,499.40
	A. G. G. Richardson et al.	do	840.40
	C. L. Morin	Services	30.00
	Chas. Cowie	do	65.00
	F. M. Perry	do	120.60
	W. J. Murphy et al.	Salaries	182.60
	F. W. Huntington et al.	do	155.30
	H. N. Waller et al.	do	2,695.23
9	Morris Wooden et al.	do	6,050.45
	E. W. Barthold et al.	do	1,939.30
	Saml. E. Bennett et al.	do	6,279.83
	F. W. Ainsworth et al.	do	319.60
	C. H. Ziuk et al.	do	1,824.20
	E. A. de Schweinitz	Office expenses	26.04
	The Maurice Joyce Engraving Co.	Engraving	1.00
10	Z. D. Gilman	Chemicals	12.50
	O. E. Dyson et al.	Salaries	8,245.80
	H. T. Potter	Traveling expenses	2.25
	do	Services	11.00
	Jno. A. Bell	do	8.00
	O. B. Hess et al.	Salaries	182.60
	E. R. Hutchinson et al.	do	298.60
	E. T. Davison et al.	do	198.10
	Saml. E. Cosford et al.	do	182.60
	L. Enos Day et al.	do	182.60
	Clarence Loveberry et al.	do	180.80
	W. H. Gibbs et al.	do	165.30
	do	Traveling expenses	4.60
	Richd. W. Tuck et al.	Salaries	457.30
	Niels C. Sorensen et al.	do	1,866.13
	Herman Busman et al.	do	888.70
	W. C. Honan	Traveling expenses	19.65
	Benj. S. Paddock et al.	Salaries	242.80
	Wm. C. Siegmund	Traveling expenses	36.35
11	Chas. M. Day	do	14.16
	do	Services	120.60
	M. O. Anderson	do	120.60
	Geo. S. Hickox	do	103.30
	Frank C. Eells	do	103.30
	W. E. Howe	Traveling expenses	68.25
	do	Services	103.30
	Lowell Clarke	Traveling expenses	54.25



## 38 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Apr. 11	Lowell Clarke	Services	\$120.60
	Chas. H. Stevens	Traveling expenses	31.75
	do	Services	120.60
	J. Otis Jacobs	Traveling expenses	53.20
	do	Services	103.30
	Flora A. Ayers	do	25.00
	Maggie Murphy	do	18.33
	Hugh M. Rowe	do	103.30
	Frank Parker	do	103.30
	M. S. Lantz	do	103.30
	L. P. Beechy	do	103.30
	A. J. Pistor	do	103.30
	R. H. Treacy	do	103.30
	Jno. McBirney	do	137.80
	O. W. Snyder	do	120.60
	Jas. Irwin	do	86.10
	W. R. Fleming	Traveling expenses	8.97
	Mary A. Atwood et al.	Salaries	16.67
	Don C. Ayer et al.	do	4,795.22
	Jas. J. Brougham et al.	do	2,187.00
	Wm. Thompson et al.	do	1,087.80
	F. D. Ketchum et al.	do	823.10
	T. J. Turner et al.	do	755.03
	Geo. S. Baker et al.	do	432.30
	Chas. Keane et al.	do	399.60
12	F. M. Perry	Traveling expenses	12.20
	Chas. Cowie	do	13.05
	G. W. Ward	Services	70.00
	do	Traveling expenses	11.80
	H. A. Hedrick	Office expenses	8.25
	Louis A. Robinson	Traveling expenses	.85
	A. F. Martins	do	3.25
	Jno. P. O'Leary	do	1.60
	Sam'l. G. Hendren	Office expenses	1.40
	Jno. A. Bell	Traveling expenses	6.12
	H. D. Mayno	do	27.82
	C. L. Morin	do	5.95
	Eimer & Amend	Glass tubes	2.70
	Lestrade Bros	Butter	15.60
	Stienhardt & Kelly	do	38.00
	Jas. S. Kelly et al.	Salaries	252.60
	L. Enos Day	Office expenses	1.50
	Howard M. Burgess	Traveling expenses	5.13
	Wm. Thompson	Office expenses	3.00
	Robt. Darling	Traveling expenses	27.85
	R. A. Ramsay	do	17.00
	A. N. McQueen	Services	35.00
	Myrtle A. Hunt	do	6.67
	Harry D. Paxson	Traveling expenses	8.35
	Geo. E. Totten	do	15.10
	W. E. Hill	do	2.00
	Jos. W. Parker	do	18.90
	Dan McCuningham	do	15.27
	E. T. Davison	do	9.75
	A. J. Payne	Office expenses	7.21
	R. P. Steddom	Traveling expenses	12.45
	Fred. W. Hopkins	Services	120.60
	W. P. Ellenberger	Traveling expenses	18.90
	Wilcox & Harvey Manufacturing Co	Cattle markers, etc	4.60
	Mary Connolly	Traveling expenses	5.00
	Iowa Telephone Co	Rent and services	2.70
	Chas. H. Canfield	Traveling expenses	18.40
	W. B. Niles	do	13.75
	A. L. Faunce	do	12.10
	Allen A. Holcombe	do	45.53
	B. Howes	Services	120.60
	A. E. Behnke	Office expenses	3.30
	do	do	34.20
13	A. G. G. Richardson	do	5.20
	do	do	6.84
	do	do	34.07
	Julius Huelson	do	15.20
	Harry M. Ball	Traveling expenses	5.25
	C. H. Zink	Office expenses	.75
	Chas. A. Schaufier	do	35.80
	Harry N. Waller	do	10.70
	Eph. Dietrich	do	6.81
	W. H. Rose	do	21.70
	Hiram Jerome	do	5.55
	W. M. Foster	do	10.15



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Apr. 13	Thos. J. Turner.....	Office expenses.....	\$21.95
	R. H. Treacy.....	Traveling expenses.....	45.30
	Geo. C. Moser.....	do.....	44.50
	Chas. E. Steel.....	do.....	41.05
	Frank T. Shannon.....	do.....	100.00
	M. B. Miller.....	do.....	48.90
	Chas. Pearson.....	do.....	21.55
	Albert Dean.....	do.....	33.10
	Louis Metsker.....	do.....	43.75
	E. C. Schroeder.....	Office expenses.....	5.91
15	F. L. Russell.....	Services.....	16.00
	do.....	Traveling expenses.....	7.35
	W. N. D. Bird.....	do.....	1.60
	Clarence O. Durfee.....	do.....	4.85
	C. H. Bugbee.....	Services.....	60.00
	B. Howes.....	Traveling expenses.....	32.80
	Jno. Forbes.....	Office expenses.....	3.00
	A. J. Pistor.....	do.....	8.09
	Geo. W. Butler.....	Traveling expenses.....	10.45
	Wm. Yenner.....	do.....	3.35
	T. A. Shipley.....	Office expenses.....	10.25
	Arthur M. Rork.....	Traveling expenses.....	33.02
	Murray J. Myers.....	do.....	58.00
	Thos. Castor.....	do.....	41.95
	L. J. Allen.....	do.....	51.10
16	Whitall, Tatum & Co.....	Medicines.....	2.21
	Tootoe A. Geddes.....	Services.....	172.20
	W. B. Niles.....	Office expenses.....	18.00
	J. Manz Engraving Co.....	Engraving.....	48.00
	Boyd Baldwin.....	Office expenses.....	5.12
	Wm. D. Jordan.....	Traveling expenses.....	87.22
	Hiram W. Hawley.....	Services, etc.....	39.00
	O. E. Dyson.....	do.....	15.00
	Fort Wayne Coal Co.....	Coal.....	8.00
	W. S. Cass.....	Horse feed.....	10.00
	Jno. Forbes.....	Hire horse, etc.....	45.00
	Z. D. Gilman.....	Chemicals.....	35.29
	do.....	do.....	25.97
	Thos. Somerville & Sons.....	Fairbanks W. W. valves.....	6.24
	Wm. Lochte.....	Shoeing horses, etc.....	8.00
	M. Du Perow.....	Telephones, etc.....	37.00
	Henry E. Alvord.....	Office expenses.....	139.50
17	O. E. Dyson.....	do.....	10.62
	Brink's Chicago City Express Co.....	Services.....	23.55
	The Consumers Co.....	Ice.....	18.81
	Hiram W. Hawley.....	Use horse, etc.....	23.00
	Chicago Telephone Co.....	Services.....	43.75
	S. W. Burt.....	Use saddle horse.....	15.00
	Hibbard, Spencer, Bartlett & Co.....	Clippers, etc.....	3.00
	Office Toilet Supply Co.....	Towels.....	132.50
	Rand, McNally & Co.....	Record book.....	5.50
	Don. C. Ayer.....	Use of horse.....	15.00
	Don C. Ayer.....	Office expenses.....	.85
	Frontier Towel-Supply Co.....	Towels.....	5.87
	Jas. W. Davis.....	Use horse, etc.....	18.00
	St. Joseph Stock Yards Co.....	Office rent.....	135.00
	Chas. Keane.....	Use horse and buggy.....	25.00
	Sam'l E. Cosford.....	do.....	20.00
	Armstrong Laundry.....	Towels.....	2.62
	A. Bauman, jr.....	Use horse and buggy.....	20.00
	J. Otis Jacobs.....	Traveling expenses.....	13.35
	M. S. Lantz.....	do.....	7.25
	A. E. Behnke.....	Use horse and buggy.....	35.00
	S. E. Bennett.....	Use saddle horse.....	23.00
	F. P. Burnap Stationery and Printing Co.....	Ink.....	6.00
	Wyandotte Gas Co.....	Gas.....	3.08
	Emery Bird Thayer Dry Goods Co.....	Soap.....	7.00
	The Kansas City Stock Yards Co. of Mis- souri.....	Office rent.....	49.50
	Thos. A. Bray.....	Use saddle horse.....	72.00
	A. R. Wake.....	Traveling expenses.....	7.30
	Gem Fiber Package Co.....	Butter boxes.....	8.50
	W. S. Devoe.....	Services.....	172.20
	American Ice Co.....	Ice.....	16.22
	E. Burgdorf.....	Hire horse and buggy.....	35.00
	A. Wilson & Bro.....	Cabbage.....	13.10
	Leo Baum.....	Material for illustrations.....	4.50
	Chas. Becker.....	Oil.....	105.30
	Henry E. Alvord.....	Traveling expenses.....	12.80
18	H. P. Armsby et al.....	Salaries.....	184.20

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Apr. 18	Chas. A. Schaufler	Use of horse	\$60.00
	A. G. G. Richardson	Use of horse and buggy	38.00
	Gerald E. Street	Services	24.00
	C. H. Zink	Use horse and buggy	120.00
	East Buffalo Live Stock Exchange Co	Office rent	90.00
	E. J. Brooks & Co.	Compressor glasses	74.00
	Dennison Manufacturing Co	Meat tags	8.80
	The Okonite Co., Limited	Wire	15.00
	Jas. Stikeman	Office rent	125.00
	The Bell Telephone Co. of Philadelphia	Telephone service	41.25
	J. F. Ryder	Traveling expenses	50.34
	do	Services	172.20
	Hugh M. Rowe	Traveling expenses	77.25
	C. H. Bugbee	do	82.05
	Lowell Clarke	do	37.25
	Chas. M. Day	Office expenses	9.25
	C. Deaderick	Office rent	34.84
	W. E. Pratt	Hog rings	154.07
	The Fredk. C. Gross & Bros. Co	Office rent	51.00
	Geo. S. Baker	Office expenses	.90
	Walter E. Howe	Traveling expenses	73.75
	Geo. S. Hickox	do	88.75
19	N. Rufus Gill	Office rent	31.25
	Chesapeake & Potomac Telephone Co.	Rent telephone	19.50
	International Toilet & Supply Co	Towels	3.21
	Jas. M. Codman	Office rent	90.00
	New England Telephone & Telegraph Co.	Service	52.50
	Bay State Clean Towel Co	Towels	3.00
	J. F. Turner	Copy of act furnished	.75
	Spring Brook Creamery Co	Butter	108.00
	The Franklin County Creamery Association.	do	62.04
	Hanford-Hazelwood Creamery Co	do	72.00
	Nebraska Telephone Co.	Rent telephone	13.50
	St. Louis National Stock Yards	Rent office	50.00
	New Telephone Co	Service	20.00
	Belt R. R. and Stock Yards	Rent of office	30.00
	Silver Laundry and Towel Co	Towel service	3.46
	Jas. Sullivan	Coal	14.00
	Armour Packing Co.	Rent telephone	12.50
	Cutler & Neilson Paint, etc. Co	Thinner	3.75
	G. W. Tourtellot	Rent office	135.00
	F. D. Ketchum	Use horse and buggy	20.00
	F. H. Jenkins	Calf	25.00
	The Layton Co.	Supplies	19.80
	Gahan and Burns	Rent office	675.00
	Union Stock Yards and Transit Co.	do	225.00
	Chicago Car Seals and Manufacturing Co.	Tags	32.40
	do	Discs	96.80
	Per Ehrenheim	Rent office	43.93
	Missouri and Kansas Telephone Co	Rent telephone	12.50
	Iowa Telephone Co	Service	10.50
	Church & Stephenson	Lumber	338.53
	Rudolph, West & Co	Supplies	183.84
	Lutz & Co	do	77.20
	Axel Holling	Traveling expenses	82.25
	do	do	73.33
	do	do	62.25
20	Bausch & Lomb Optical Co	Supplies	20.65
	do	Aluminum shields	.75
	F. H. Lovell & Co.	Clocks	11.56
	Washington Gaslight Co	Gas	39.90
	Houghton & Delano	Eikonogen, etc	.84
	do	Deed plates	5.56
	United States Electric Lighting Co	Electric current	16.14
	P. Mann & Co.	Harness, etc	21.75
	Hugh Reilly	Material for paint	6.10
	R. P. Clarke Co	Towels, etc	45.00
	David M. Nesbit	Report of sweet potatoes	125.00
	H. E. Overstreet	Transportation	.24
	New York, New Haven and Hartford R. R.	do	.82
	do	do	1.30
	Missouri Pacific Rwy. Co	do	1.53
	Atchison, Topeka and Santa Fe Rwy. Co.	do	2.42
	do	do	9.98
	do	do	19.48
	Chicago, Burlington and Quincy R. R. Co.	do	.82
	do	do	.58
	Chicago and Erie R. R. Co.	do	21.78
	Kansas City, St. Joseph and Council Bluffs R. R. Co.	do	2.12

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Apr. 20	Star Union Line .....	Transportation .....	\$0.62
	Pennsylvania Co. ....	do .....	.67
	Chicago and Northwestern Rwy. Co. ....	do .....	.29
	Wisconsin Central Rwy. Co. ....	do .....	.21
	Burlington and Missouri River R. R. Co. ....	do .....	8.35
	New York, Chicago and St. Louis R. R. Co. ....	do .....	.47
	Pennsylvania R. R. Co. ....	do .....	.35
	do .....	do .....	.35
	Chicago, Milwaukee and St. Paul Rwy. Co. ....	do .....	.75
	Lake Shore and Michigan Southern Rwy. Co. ....	do .....	3.49
22	Chas. E. Steel .....	Services .....	13.33
	The New York and Porto Rico Steamship Co. ....	Passenger transportation .....	55.00
	The International and Great Northern R. R. Co. ....	do .....	4.60
	San Antonio and Aransas Pass Rwy. Co. ....	do .....	2.80
	Union Pacific R. R. Co. ....	do .....	4.57
	Southern Rwy. Co. ....	do .....	9.30
	Chicago, Milwaukee and St. Paul Rwy. Co. ....	do .....	7.59
	Missouri Pacific Rwy. Co. ....	do .....	27.75
	The Chesapeake and Ohio Rwy. Co. ....	do .....	27.00
	The Wabash R. R. Co. ....	do .....	33.00
	Pennsylvania R. R. Co. ....	do .....	31.00
	Chicago & Alton Rwy. Co. ....	do .....	27.75
	Fred. A. Schmidt .....	Drawing paper, etc. ....	25.58
23	Gazette Publishing Co. ....	Advertising .....	2.50
	San Francisco Chronicle .....	do .....	5.50
	Grand Trunk Rwy. Co. ....	Passenger transportation .....	5.05
	Chicago Car Seal Manufacturing Co. ....	"Condemned" tags .....	19.20
	Goes Lithographing Co. ....	Meat inspection stamps .....	809.38
	O. W. Snyder .....	Keeping horse .....	16.77
	Mackall Bros. ....	Supplies .....	88.55
	W. W. Long .....	Traveling expenses .....	29.88
24	S. R. Burch .....	do .....	17.65
25	Edw. S. Schmid .....	Prepared feed .....	7.00
	Lewis Hartig .....	Hardware .....	2.40
	New York Telephone Co. ....	Telephone rent .....	26.30
	E. P. Schaffter .....	Office expenses .....	1.10
	F. Clark .....	Horse .....	140.00
	F. W. Ainsworth .....	Office expenses .....	2.80
	M. O. Anderson .....	do .....	1.45
	Jas. J. Brougham .....	do .....	13.70
	Fredk. Braginton .....	do .....	1.58
	Fredk. T. Dolan .....	Traveling expenses .....	8.45
	Albert Dean .....	Office expenses .....	6.54
	P. I. Kershner .....	do .....	39.23
	John McBirney .....	do .....	87.00
	W. S. Devoe .....	do .....	64.62
	Frank Parker .....	do .....	71.25
	W. B. Niles .....	do .....	75.00
	do .....	do .....	24.80
	Crosby & Myers .....	Cheese .....	108.46
	J. Haberle .....	Repairing lock boxes .....	3.75
27	J. J. Van Eaton, guardian to W. J. Collier ..	Office rent .....	7.00
	W. C. Pennywitt .....	Traveling expenses .....	36.70
	Adams Express Co. ....	Transportation .....	89.49
	United States Express Co. ....	do .....	10.31
	Bourbon Stock Yard Co. ....	Office rent .....	30.00
	Geo. S. Baker .....	Traveling expenses .....	5.30
	R. G. Merrill .....	do .....	4.00
	Cora A. Houseman .....	do .....	3.90
	W. S. Cass .....	Office expenses .....	2.00
	Joseph S. Keane .....	Traveling expenses .....	21.25
29	Hardie Wyatt .....	do .....	11.55
	Whitall, Tatum & Co. ....	"Beakers" .....	12.51
	do .....	Flasks .....	5.50
	Eimer & Amend .....	Furnace mufflers .....	7.60
	New York Telephone Co. ....	Rent and service .....	21.00
	Caroline Burnaby .....	Services .....	40.00
	Chicago, Burlington and Quincy R. R. Co. ....	Transportation .....	.69
	Star Union Line .....	do .....	12.08
	Michigan Central R. R. Co. ....	do .....	.45
	do .....	do .....	.72
	Burlington and Missouri River R. R. in Nebraska.	do .....	.25
	Chicago, Rock Island and Pacific Rwy. Co. ....	do .....	4.12
	do .....	do .....	1.14
	do .....	do .....	1.01
	Boston and Albany R. R. Co. ....	do .....	.79
	Lake Shore and Michigan Southern Rwy. Co. ....	do .....	1.74



## 42 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Apr. 29	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	Transportation.....	\$0.48
	Chicago and Northwestern Rwy. Co.	do.....	1.17
	do	do.....	.67
	Baltimore and Ohio R. R. Co.	do.....	1.17
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do.....	.52
	do	do.....	2.40
	Chicago and Erie R. R. Co.	do.....	7.97
	Pennsylvania R. R. Co.	do.....	.35
	do	do.....	.35
	do	do.....	2.21
	Pennsylvania Co.	do.....	2.40
30	Geo. C. Faville	Office expenses.....	21.40
	T. A. Geddes	Traveling expenses.....	22.87
	do	Office expenses.....	3.89
	Marion Dorset et al.	Salaries.....	3,334.99
May 1	R. W. Hickman	Traveling expenses.....	17.85
	Geo. H. Parks	do.....	18.55
	E. J. Brooks & Co.	Seals and wires.....	795.00
	Estate of W. J. Brooke, Helen Brooke, executrix.	Post-hole diggers.....	17.50
2	International Seal and Lock Co.	Car seals.....	125.00
	Tyer Rubber Co.	Rubbers, etc.....	11.86
	L. G. Orndorff	Cart and baskets.....	36.25
	W. B. Moses & Sons	Furniture.....	64.15
3	The Chesapeake and Potomac Telephone Co.	Telephone rent.....	123.75
	do	Telephone services.....	1.00
4	N. K. Fegley et al.	Salaries.....	174.70
	W. H. Rose et al.	do.....	963.00
	H. A. Hedrick et al.	do.....	468.00
	E. P. Dowd et al.	do.....	174.70
	Julius Huelsen et al.	do.....	657.60
	A. G. G. Richardson et al.	do.....	823.60
	Jas. Johnson et al.	do.....	1,442.20
	F. W. Huntington et al.	do.....	150.90
	H. J. Washburn	Services.....	98.90
	N. K. Fegley	Office expenses.....	.75
	H. D. Mayne	Services.....	98.90
	Saml. G. Hendren	do.....	115.40
	E. L. Volgenau	do.....	115.40
6	J. B. Archer	Calves.....	50.00
	J. H. & G. T. Teachout	Calf.....	25.00
7	H. N. Waller et al.	Salaries.....	2,628.22
	C. A. Schauflier et al.	do.....	949.42
	Fred Braginton et al.	do.....	174.70
	W. J. Stewart et al.	do.....	509.36
	F. W. Ainsworth et al.	do.....	418.70
	W. B. Niles et al.	do.....	230.40
	L. R. Baker et al.	do.....	903.10
	A. J. Payne et al.	do.....	969.55
	E. P. Schaffter et al.	do.....	538.70
	R. P. Steddom et al.	do.....	201.10
	C. A. Zink et al.	do.....	1,789.97
	W. J. Murphy et al.	do.....	174.70
	Geo. C. Faville et al.	do.....	273.60
	W. B. Lincoln	Services.....	98.90
	Jos. M. Turner	do.....	74.20
	F. T. Dolan	do.....	115.40
	M. J. Myers	do.....	98.90
	W. M. Foster	do.....	59.30
	F. W. Hopkins	do.....	115.40
	W. P. Ellenberger	do.....	98.90
	W. H. Wray	do.....	387.50
	Toyo Kisen Kaisha	Passenger transportation.....	397.50
8	S. E. Bennett et al.	Salaries.....	5,978.69
	W. E. Cass et al.	do.....	1,102.64
	Thos. J. Turner et al.	do.....	792.83
	Jas. S. Kelly et al.	do.....	248.90
	Jos. M. Good et al.	do.....	153.20
	Albert Dean et al.	do.....	578.50
	Niels C. Sorensen et al.	do.....	1,739.59
	do	Office expenses.....	13.42
	E. C. Schroeder	do.....	6.30
	Geo. S. Hickox	Services.....	98.90
	R. J. Blanche	do.....	115.40
	Thos. Castor	do.....	115.40
	F. T. Shannon	do.....	115.40
	L. J. Allen	do.....	115.40
	C. L. Morin	do.....	46.00



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
May 8	F. M. Perry	Services	\$115.40
	Chas. M. Day	do	115.40
	do	Office expenses	24.20
	do	Traveling expenses	23.65
	A. A. Holcombe	Services	115.40
	Jas. Irwin	do	82.40
	D. Cumming	do	90.00
	M. O. Anderson	do	115.40
	Chas. A. Brown	do	74.20
	Harry L. McDonald	do	74.20
	Jos. W. Parker	do	98.90
	Dan McCuningham	do	98.90
	Geo. W. Browning	do	98.90
	M. B. Miller	do	98.90
	Wm. D. Jordan	do	98.90
	Wm. G. Shaw	do	98.90
	Geo. E. Totten	do	98.90
	Louis Metsker	do	98.90
	W. E. Hill	do	98.90
	Geo. C. Moser	do	98.90
	H. D. Paxson	do	115.40
	H. B. Adair	do	115.40
	P. I. Kershner	do	115.40
	Thos. A. Bray	do	115.40
	A. R. Wake	do	115.40
	A. M. Rork	do	115.40
	A. J. Pistor	do	98.90
	C. H. Bugbee	do	98.90
	Chas. A. Stevens	do	115.40
	G. W. Butler	do	98.90
	R. A. Ramsay	do	98.90
	Western Union Telegraph Co	Services	21.81
	do	do	27.23
9	Jno. Forbes et al	Salaries	2,488.37
	Louis K. Green et al	do	180.70
	Louis K. Green	Traveling expenses	5.15
	do	do	1.75
	W. C. Barth	Office expenses	2.60
	W. C. Barth et al	Salaries	512.70
	T. A. Shipley et al	do	323.10
	A. E. Behnke et al	do	1,147.40
	Frank D. Ketchum et al	do	807.14
	Ira K. Atherton et al	do	180.40
	Boyd Baldwin et al	do	614.80
	L. Enos Day et al	do	174.70
	Joshua Miller et al	do	248.90
	J. C. Milnes et al	do	115.40
	J. C. Milnes	Traveling expenses	4.00
	Geo. Ditewig et al	Salaries	263.80
	W. S. Devoe	Services	164.80
	Clarence Loveberry et al	Salaries	173.10
	O. B. Hess et al	do	174.70
	E. T. Davison	Services	98.90
	Chas. Cowie	do	112.00
	H. T. Potter	Traveling expenses	7.00
	H. D. Mayne	do	27.67
	W. H. Rose	Office expenses	29.70
	Toobie A. Geddes	Services	164.80
	G. W. Ward	do	115.40
	Wm. T. Mayer	Chair	5.75
	Fred. W. Keisker & Son	Desk	22.50
	Per Ehrenheim	Rent	30.00
	Saml. E. Cosford	Use horse and buggy	20.00
	St. Louis National Stock Yards	Rent	50.00
	W. S. Cass	Office expenses	2.00
	do	Horse feed	10.00
	Albert E. Behnke	Use of horse and buggy	35.00
	F. D. Ketchum	do	20.00
	A. A. Holcombe	Traveling expenses	48.47
	R. A. Ramsay	do	21.25
	A. J. Pistor	do	8.85
	A. Bauman, jr	Use horse and buggy	20.00
	Robt. H. Treacy	Services	98.90
	do	Traveling expenses	47.00
	E. J. Blanche	do	5.20
	Geo. E. Totten	do	21.30
	B. L. Stine	Office expenses	11.15
	do	do	7.45
	B. W. Murphy, jr	Traveling expenses	11.40
	Chas. Keane	Office expenses	5.00

## 44 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. May 9	Henry Singleton .....	Traveling expenses .....	\$11.80
	O. W. Snyder .....	do .....	18.55
	E. N. Hutchinson .....	Office expenses .....	11.50
	The United States Express Co. ....	Freight .....	3.38
10	O. E. Dyson et al. ....	Salaries .....	8,127.55
	A. G. G. Richardson .....	Office expenses .....	6.31
11	Morris Wooden et al. ....	Salaries .....	5,922.63
	E. W. Barthold et al. ....	do .....	1,593.23
	Benj. S. Paddock et al. ....	do .....	233.10
	Herman Busman et al. ....	do .....	850.40
	H. P. Armsby et al. ....	do .....	176.30
	Frank E. Emery .....	Services .....	265.32
	The Franklin County Creamery Association	Butter .....	201.76
	Sam'l. E. Cosford .....	Salary .....	115.40
	W. H. Gibbs et al. ....	Salaries .....	158.20
	R. W. Tuck et al. ....	do .....	410.03
	Wm. Thompson et al. ....	do .....	1,078.00
	J. J. Brougham et al. ....	do .....	2,093.20
	Henry E. Alvord .....	Traveling expenses .....	76.10
	D. E. Salmon .....	do .....	23.05
13	T. S. Buck .....	Patent flexible mounts .....	37.20
	Chas. Cowie .....	Traveling expenses .....	18.25
	C. L. Morin .....	do .....	5.55
	E. J. Maloy .....	Bicycle, etc .....	25.00
	Wm. Lochte .....	Shoeing horses .....	14.87
	Mackall Bros .....	Supplies .....	144.67
	do .....	do .....	.53
	Chas. Keane et al. ....	Salaries .....	382.40
	do .....	Use horse and buggy .....	25.00
	Robt. Darling .....	Salary .....	115.40
	E. N. Hutchinson et al. ....	Salaries .....	282.00
	Frank E. Eells .....	Services .....	115.40
	do .....	Traveling expenses .....	5.00
	Wm. E. Howe .....	Services .....	98.90
	Geo. S. Baker et al. ....	Salaries .....	413.80
	J. O. Jacobs .....	Services .....	98.90
	Hugh M. Rowe .....	do .....	98.90
	Jno. McBirney .....	do .....	131.90
	do .....	Traveling expenses .....	113.00
	Levi P. Beechy .....	Services .....	98.90
	do .....	Traveling expenses .....	2.00
	Lowell Clarke .....	Services .....	115.40
	C. H. Bugbee .....	Traveling expenses .....	98.80
14	Mary A. Atwood et al. ....	Salaries .....	451.56
	Don C. Ayer et al. ....	do .....	4,325.21
	W. H. Wray .....	Services .....	375.00
	do .....	Traveling expenses .....	15.13
	do .....	do .....	17.04
	do .....	Office expenses .....	17.98
	do .....	do .....	5.91
	J. F. Ryder .....	Traveling expenses .....	47.67
	Caroline Burnaby .....	Services .....	40.00
	Jas. W. Davis .....	Use horse and buggy .....	18.00
	Don C. Ayer .....	do .....	15.00
	J. F. Ryder .....	Services .....	164.80
16	United States Electric Lighting Co. ....	Electric current .....	18.87
	Richard L. Lamb .....	Pads .....	18.10
	American Ice Co. ....	Ice .....	16.35
	The Chesapeake and Potomac Telephone Co.	Telephone service .....	2.50
	M. Du Perow .....	Batteries, etc .....	11.00
	W. M. Galt & Co .....	Feed for animals .....	303.35
	D. Frank Parker .....	Typewriter table, etc .....	9.60
	Louise Brereton .....	Traveling expenses .....	12.00
	F. L. Russell .....	Services .....	48.00
	do .....	Traveling expenses .....	8.35
	Nathan K. Fegley .....	Office expenses .....	.50
17	H. T. Potter .....	Services .....	27.00
	Chas. M. Day .....	Calf .....	50.00
	O. E. Dyson .....	Use of saddle horse .....	15.00
	Waterbury Clock Co. ....	Clock .....	11.76
	Fort Wayne Coal Co. ....	Coal .....	6.50
	Illinois Wringer Co. ....	Wringer .....	3.50
	Hibbard, Spencer, Bartlett & Co. ....	Clippers .....	5.28
	S. W. Burt .....	Use saddle horse .....	15.00
	A. P. Little .....	Mimeograph ink .....	2.25
	Hiram W. Hawley .....	Use of horse and wagon .....	39.00
	do .....	Use of horse and buggy .....	23.00
	M. S. Lantz .....	Traveling expenses .....	18.74
	J. O. Jacobs .....	do .....	13.90

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. May 17	Chas. H. Stevens	Traveling expenses	\$71.20
	Ernest N. Hutchinson	Office expenses	11.00
	Frank Parker	Services	98.90
	Frank Parker	Traveling expenses	67.00
	L. Berger	Hauling	2.60
	Hugh M. Rowe	Traveling expenses	50.35
	Lowell Clarke	do	61.25
	W. E. Howe	do	55.50
	Dan. McCuningham	do	57.20
	Geo. C. Moser	do	63.80
	Geo. W. Browning	do	25.15
	Thos. A. Bray	do	10.50
	Hanford-Hazelwood Creamery Co	Butter	138.07
	Springbrook Creamery Co	do	98.67
	Louis K. Green	Office expenses	0.40
	Wm. C. Honan	Traveling expenses	19.75
	Robt. H. Treacy	do	41.25
	W. S. Devoe	do	68.77
	R. G. Merrill	do	2.54
	Jos. M. Good	do	3.00
	do	Office expenses	2.50
	Arthur M. Rork	Traveling expenses	40.36
	Boyd Baldwin	Office expenses	5.42
	E. T. Davison	Traveling expenses	21.75
	W. B. Niles	do	9.95
	do	Office expenses	70.02
	Saml. E. Cosford	Traveling expenses	16.23
	Arthur R. Wake	do	8.45
	do	do	16.70
	Rudolph, West & Co.	Hardware	217.72
	Thos. Somerville & Sons	Enameled bath tub	27.30
	A. D. Melvin	Traveling expenses	210.80
20	Miller Lock Co	Keys, etc	1.66
	Geo. Meier & Co.	Lithographic stones	128.35
	Dennison Manufacturing Co	Tags	176.00
	do	Checks	32.00
	do	Tags	21.00
	do	do	7.00
	do	do	2.35
	J. H. Bunnell & Co.	Supplies	4.48
	A. G. G. Richardson	Use of horse and buggy	38.00
	Jno. R. Mohler	Traveling expenses	3.00
	S. E. Bennett	Use of horse and buggy	23.00
21	Houghton & Delano	Supplies	7.51
23	Cincinnati Union Stock Yard Co.	Rent	26.50
	Goes Lithographing Co.	Meat inspection stamps	580.64
	W. L. Van Duzor	Cattle	80.00
	O. E. Dyson	Office expenses	8.45
	Monroe B. Miller	Traveling expenses	14.60
	Jos. W. Parker	do	25.75
	R. P. Steddom	do	14.67
	Geo. S. Baker	do	5.30
	Clarence Loveberry	Office expenses	1.35
	Martha A. Brittan	Traveling expenses	11.60
	Mary Connolly	do	13.05
	Martha Schnell	do	10.95
	E. N. Hutchinson	do	5.25
	W. D. Jorden	do	84.30
	L. J. Allen	do	31.05
	Chas. A. Brown	do	50.60
	Thos. Castor	do	120.90
	Peter I. Kershner	do	39.34
	Harry D. Paxson	do	7.35
	W. E. Hill	do	6.00
	Louis Metsker	do	20.50
	Chas. Pearson	do	2.05
24	J. E. R. Carpenter	Office rent	26.25
	Emma J. Adams, administratrix	do	120.00
	F. M. Perry	Traveling expenses	14.50
	Toxie A. Geddes	Office expenses	21.47
	F. W. Ainsworth	do	2.75
	Julius Huelsen	do	11.05
	M. S. Lantz	Services	98.90
	Jno. S. Martin & Co	Cheese	8.14
	Rosemary Creamery Co	Butter	181.72
	The Baker & Adamson Chemical Co.	Asbestos	3.20
	Maine Condensed Milk Co	Milk	20.40
	The Peterson Parchment Paper Co	Parchment paper	2.00
	Benj. H. Shoemaker	Glass	24.00
	Eimer & Amend	Water baths	24.00



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
May 24	Tyer Rubber Co .....	Rubber tips .....	\$18.00
	Library Bureau .....	Cards, etc .....	106.23
25	S. R. Burch .....	Traveling expenses .....	17.75
27	Eugene Tilden .....	Sign markers .....	10.00
	Robt. Burrows .....	Sand .....	23.00
	Church & Stephenson .....	Lumber .....	58.25
	Geo. E. Howard .....	Drawings .....	100.00
	The McDermott Carriage Co .....	Buggy .....	180.00
	Geo. F. Muth & Co. ....	Printers' supplies .....	122.00
	Jas. B. Lambie .....	Nails .....	56.90
	do .....	Iron .....	2.50
	The Chesapeake and Ohio Rwy. Co. ....	Passenger transportation .....	27.00
	Chicago, Burlington and Quincy R. R. Co. ....	do .....	24.75
	The Oregon R. R. and Navigation Co. ....	do .....	11.20
	Chicago, Milwaukee and St. Paul Rwy. Co. ....	do .....	20.80
	Northern Pacific Rwy. Co. ....	do .....	11.50
	Burlington and Missouri River R. R. in Nebr. ....	do .....	28.92
	Atlanta, Knoxville and Northern Rwy. Co. ....	do .....	4.14
	The Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. ....	do .....	64.00
	Galveston, Harrisburg and San Antonio Rwy. Co. ....	do .....	48.70
	International and Great Northern R. R. Co. ....	do .....	4.60
	Pennsylvania R. R. Co. ....	do .....	.35
	Hannibal and St. Joseph R. R. Co. ....	do .....	1.94
	Boston and Albany R. R. Co. ....	do .....	11.29
	Lake Shore and Michigan Southern Rwy. Co. ....	do .....	.68
	The Atchison, Topeka and Santa Fe Rwy. Co. ....	do .....	23.12
	Star Union Line .....	do .....	.62
	do .....	do .....	.77
	New York, Chicago and St. Louis R. R. Co. ....	do .....	1.17
	Lake Shore and Michigan Southern Rwy. Co. ....	do .....	.45
	Chicago, Milwaukee and St. Paul Rwy. Co. ....	do .....	4.69
	Chicago, Rock Island and Pacific Rwy. Co. ....	do .....	1.58
	do .....	do .....	.99
	Chicago and Northwestern Rwy. Co. ....	do .....	3.92
28	The J. C. Ergood Co .....	Sapolio .....	2.25
	The Geo. W. Knox Express Co .....	Transportation .....	1.25
	A. E. de Schweinitz .....	Office expenses .....	37.44
	Rudolph, West & Co .....	Chamois skins, etc .....	44.17
	Jas. D. Topham .....	Extension case .....	1.15
	Lutz & Co .....	Curry hoof pads .....	25.80
	Helen H. Brooke, executrix .....	Hay cutter .....	30.00
	Fred. A. Schmidt .....	Pencils .....	1.10
	Helen H. Brooke, executrix .....	Grindstone, etc .....	7.25
	Western Union Telegraph Co .....	Services .....	11.52
	do .....	do .....	5.41
	do .....	do .....	17.69
	do .....	do .....	11.85
	do .....	do .....	18.57
29	Geo. W. Hill .....	Traveling expenses .....	24.00
	G. W. Ward .....	do .....	13.45
31	Marion Dorset et al .....	Salaries .....	3,939.61
June 3	Wm. Kraft .....	Microscope, etc .....	107.90
	M. J. Myers .....	Traveling expenses .....	52.20
	Clara E. Townsend .....	do .....	7.75
	W. H. Beck .....	Fire extinguishers, etc .....	186.00
	A. Wilson & Bro. ....	Feed .....	1,787.27
4	Southern California Rwy Co .....	Passenger transportation .....	10.00
	Union Pacific R. R. Co. ....	do .....	28.33
	Chicago, Rock Island and Pacific Rwy. Co. ....	do .....	13.30
	Pennsylvania R. R. Co. ....	do .....	80.00
	The Missouri Pacific Rwy. Co. ....	do .....	17.20
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co. ....	do .....	14.00
	Pere Marquette R. R. Co. ....	do .....	6.90
	Washington Gaslight Co .....	Gas .....	39.70
5	Geo. S. Hickox .....	Traveling expenses .....	38.73
6	M. B. Niles et al .....	Salaries .....	550.90
	M. H. Rose et al .....	do .....	1,011.50
	C. A. Schaufler et al .....	do .....	985.60
	H. A. Hedrick et al .....	do .....	484.00
	H. J. Washburn .....	Services .....	102.20
	H. N. Waller et al .....	Salaries .....	2,787.43
7	W. J. Murphy et al .....	do .....	180.60
	Julius Huelsen et al .....	do .....	679.80

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. June 7	Saml. J. Hendren .....	Services .....	\$119.20
	E. L. Volgenau .....	do .....	119.20
	C. L. Morin .....	do .....	96.00
	H. D. Mayne .....	do .....	102.20
	Jno. A. Bell .....	do .....	32.00
	H. T. Potter .....	do .....	8.00
	Fredk. Braginton, et al .....	Salaries .....	180.60
	W. H. Gibbs et al .....	do .....	163.60
	Saml. E. Cosford et al .....	do .....	180.60
	Joshua Miller et al .....	do .....	296.76
	T. A. Shipley et al .....	do .....	353.80
	J. C. Milnes et al .....	do .....	123.62
	Frank D. Ketchum et al .....	do .....	875.60
	E. P. Schaffter et al .....	do .....	556.18
	Boyd Baldwin et al .....	do .....	635.40
	Albert Dean et al .....	do .....	602.07
	R. J. Blanche .....	Services .....	119.20
	H. D. Parson .....	do .....	119.20
	L. J. Allen .....	do .....	119.20
	F. T. Shannon .....	do .....	119.20
	H. B. Adair .....	do .....	119.20
	Thos. A. Bray .....	do .....	119.20
	P. I. Kershner .....	do .....	119.20
	Thos. Castor .....	do .....	119.20
	Geo. W. Browning .....	do .....	102.20
	Dan McCunningham .....	do .....	102.20
	Jos. W. Parker .....	do .....	102.20
	Geo. E. Totten .....	do .....	102.20
	W. E. Hill .....	do .....	102.20
	Louis Metsker .....	do .....	102.20
	B. W. Murphy, jr .....	do .....	102.20
	Wm. D. Jordan .....	do .....	102.20
	Geo. C. Mosher .....	do .....	102.20
	M. B. Miller .....	do .....	102.20
	W. J. Shaw .....	do .....	102.20
	H. L. McDonald .....	do .....	76.60
	A. M. Rork .....	do .....	73.08
8	Geo. C. Faville et al .....	Salaries .....	282.80
	H. P. Armsby et al .....	do .....	182.40
	Edw. P. Dowd et al .....	do .....	180.60
	N. K. Fegley et al .....	do .....	180.60
	F. W. Huntington et al .....	do .....	154.20
	F. W. Ainsworth et al .....	do .....	431.60
	Ira K. Atherton et al .....	do .....	184.20
	Jos. M. Good et al .....	do .....	163.60
	M. O. Anderson .....	Services .....	119.20
	James Irwin .....	do .....	85.20
	R. A. Ramsay .....	do .....	102.20
	A. J. Pistor .....	do .....	102.20
	A. A. Holcombe .....	do .....	119.20
	Geo. S. Hickox .....	do .....	102.20
	W. B. Lincoln .....	do .....	119.20
	D. Cumming .....	do .....	60.00
	R. P. Steddum et al .....	Salaries .....	207.80
	F. W. Hopkins .....	Services .....	119.20
	F. T. Dolan .....	do .....	119.20
	M. J. Myers .....	do .....	102.20
	W. P. Ellenberger .....	do .....	102.20
	Jas. M. Turner .....	do .....	76.60
	W. M. Foster .....	do .....	61.40
	A. J. Payne et al .....	Salaries .....	1,079.10
	W. S. Cass et al .....	do .....	1,194.20
	Jno. Forbes et al .....	do .....	2,668.67
	Geo. L. McKay .....	Services .....	200.00
10	Don C. Ayer et al .....	Salaries .....	4,134.89
	Lewis R. Baker et al .....	do .....	918.60
	T. J. Turner et al .....	do .....	850.06
	N. C. Sorensen et al .....	do .....	1,755.69
	Wm. Thompson et al .....	do .....	1,100.81
	A. E. Behnke et al .....	do .....	1,180.72
	Clarence Loveberry et al .....	do .....	178.80
	Clarence Loveberry .....	Office expenses .....	2.10
	Jas. S. Kelly et al .....	Salaries .....	257.20
	L. K. Green et al .....	do .....	186.60
	Chas. H. Stevens .....	Services .....	73.08
	E. C. Schroeder .....	Office expenses .....	6.35
11	J. J. Brougham et al .....	Salaries .....	2,153.71
	Rice P. Steddum .....	Office expenses .....	7.50
	Chas. E. Steel .....	Traveling expenses .....	9.05
	Geo. Jobson .....	do .....	38.60

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. June 11	A. E. Behnke	Use horse	\$35.00
	W. R. Dennis	Traveling expenses	10.50
	Chas. M. Day	do	25.40
	do	Office expenses	12.00
	J. C. Milnes	do	2.55
	W. A. Savage	Traveling expenses	18.50
	A. J. Pistor	do	8.90
	W. B. Niles	do	14.25
	Samuel E. Cosford	Use horse	20.00
	Albert Lea Dairy Association	Butter	56.98
	A. Bauman	Use horse and buggy	20.00
	Geo. W. Butler	do	30.00
12	E. W. Barthold et al.	Salaries	1,614.20
	Morris Wooden et al.	do	6,303.31
	Jas. Johnson et al.	do	1,498.07
	A. G. G. Richardson et al.	do	851.30
	C. H. Zink et al.	do	1,858.09
	C. L. Morin	Traveling expenses	6.25
	H. D. Mayne	do	23.12
	H. T. Potter	do	2.75
	G. W. Ward	Services	119.20
	do	Traveling expenses	17.00
	Chas. Cowie	do	23.65
	F. M. Perry	Services	119.20
	do	Traveling expenses	27.30
	Church & Stephenson	Lumber	1,243.97
	do	do	645.44
13	O. E. Dyson et al.	Salaries	8,172.37
	Herman Busman et al.	do	1,120.00
	M. S. Lantz	Services	102.20
	Frank Parker	do	102.20
	J. Otis Jacobs	do	119.20
	W. S. Devoe	do	170.40
	Geo. W. Butler	do	102.20
	Levi P. Beechy	do	102.20
	C. H. Bugbee	do	102.20
	A. P. Morse	do	119.20
	R. H. Treacy	do	102.20
	Hugh M. Rowe	do	102.20
	Jno. F. Deadman	do	45.00
	Jno. McBirney	do	136.20
	David C. Hanawalt	do	102.20
	W. E. Howe	do	119.20
	Lowell Clarke	do	119.20
	Frank C. Eells	do	65.38
	F. T. Suit	do	29.67
	S. E. Bennett et al.	Salaries	6,136.55
	A. R. Wake et al.	do	1,092.57
	L. Enos Day et al.	do	180.60
	W. J. Stewart et al.	do	863.40
	N. C. Sorensen et al.	do	426.12
	Geo. Ditewig et al.	do	272.40
	W. C. Barth et al.	do	529.60
	Ernest Betz	Repairing ice box	4.50
	Thos. Somerville & Sons	Sheet lead, etc.	31.15
14	O. B. Hess et al.	Salaries	180.60
	Robt. Darling et al.	do	119.20
	Chas. Keane et al.	do	456.60
	E. N. Hutchinson et al.	do	296.00
	Geo. S. Baker et al.	do	427.40
	do	Traveling expenses	5.00
	Wm. C. Honan	do	20.50
	Elias Gilmore	do	9.25
	A. A. Holcombe	do	45.70
	R. A. Ramsay	do	32.28
	A. B. Morse	do	7.30
	M. S. Lantz	do	46.75
	Lowell Clarke	do	57.50
	D. R. Hodges	do	59.20
	Frank Parker	do	87.50
	Murray J. Myers	do	69.40
	F. W. Hopkins	do	11.75
	Fredk. T. Dolan	do	15.50
	Wm. G. Shaw	do	78.30
	Robt. H. Treacy	do	44.70
	National Electric Supply Co.	Supplies	.36
	The Chesapeake and Potomac Telephone Co.	Moving telephone	.75
	Eimer & Amend	Supplies	447.64
	do	do	40.04



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
June 14	United States Envelope Co.	Envelopes	\$157.00
	Henry J. Washburn	Traveling expenses	3.75
15	R. Carter Ballantyne	Sponge cup, etc	1.50
	Mackall Bros	Supplies	179.59
	Rudolph. West & Co	Hardware	91.51
	Wyckoff, Seamans & Benedict	Repairs to typewriters	13.00
	Z. D. Gilman	Supplies	112.23
	do	Thermometers, etc	89.80
	A. Wilson & Bro.	Goats	10.00
	W. M. Galt & Co	Feed for animals	603.35
17	Roy N. Drake	Traveling expenses	23.85
	Harry D. Paxson	do	10.30
	Frank T. Shannon	do	21.30
	Thos. A. Bray	do	9.75
	Geo. E. Totten	do	6.60
	A. C. Hart	do	5.50
	W. E. Hill	do	1.00
	Hugh Reilly	Glass	31.59
	G. W. Marshe	Services	2.75
	Smith & Pomeroy	do	85.40
	Rice P. Steddum	Traveling expenses	66.26
	Wm. E. Pratt	Hog ringers, etc	6.19
	Goes Lithographing Co.	Meat inspecting stamps	581.33
18	Toolie A. Geddes	Services	170.40
	Mittag & Volger	Carbon paper	9.60
	Eimer & Amend	Supplies	15.05
	do	Tripods	1.20
	Bausch & Lomb Optical Co.	Tubes	314.43
	Electro-Tint Engraving Co.	Illustrations	330.00
	The Chesapeake Electric Co.	Supplies	1.50
	Whitall, Tatum & Co	Flasks	40.39
	do	Supplies	5.13
	Dennison Manufacturing Co	do	10.50
	do	Tags	11.75
	Eberhard Faber	Bands	41.76
	American Ice Co	Ice	19.61
	The Standard Brick Co.	Paving brick	130.00
	Chas. Becker	Oil	12.00
	Wm. Lochte	Shoeing horses, etc.	13.10
	Henry E. Alvord	Traveling expenses	33.60
	D. E. Salmon	do	40.30
	E. A. de Schweinitz	Office expenses	27.85
	G. E. Patrick	Traveling expenses	2.92
19	A. H. Richards	do	15.90
	Hanford Hazlewood Cream Co.	Butter	31.20
	C. E. Udell & Co	Cheese	22.64
	Chicago Car Seal and Manufacturing Co	Crimped wire and tags	64.97
	do	Tags	3.33
	A. P. Little	Paper, ink, etc	5.25
	Sam'l. Chamberlain	Stallion	20.00
	Chas. W. Denton	Horse	25.00
	Wm. Shannon	Horses	70.00
	B. W. Murphy, jr	Traveling expenses	30.25
	Monroe B. Miller	do	35.35
	Dan McCuningham	do	25.25
	Jos. W. Parker	do	22.75
	Chas. A. Brown	do	53.05
	Peter I. Kershner	do	31.41
	L. J. Allen	do	36.50
	W. E. Howe	do	39.00
	C. M. McFarland	do	41.15
	W. B. Moses & Sons	Furniture	70.00
	Chas. R. Edmonston	Pans	5.05
	United Typewriter and Supplies Co	Typewriters	390.00
	Thos. Somerville & Sons	Cement, etc	117.43
	A. Wilson & Bro.	Cows	57.50
	Jas. B. Lambie	Chain, etc	26.37
	do	Hardware	12.76
20	St. Louis National Stock Yards	Rent	50.00
	F. D. Ketchum	Use horse and buggy	20.00
	Chas. Keane	do	25.00
	Per Ehrenheim	Rent	30.00
	S. E. Bennett	Use horse	23.00
	Jas. W. Davis	Use horse and buggy	18.00
	Jos. M. Good	Traveling expenses	2.75
	do	Office expenses	.55
	Boyd Baldwin	do	5.12
	Don C. Ayer	do	1.70
	Jno. McBirney	Traveling expenses	116.50

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901, June 20	Wm. D. Jorden	Traveling expenses	\$54.36
	Geo. C. Moser	do	65.50
	Thos. Castor	do	138.70
	W. H. Wray	Services	387.50
	do	Traveling expenses	17.48
	do	Office expenses	4.47
	Caroline Burnaby	Services	40.00
	J. F. Ryder	do	170.40
	do	Traveling expenses	47.67
	A. F. Martins	do	18.13
	W. H. Rose	Office expenses	26.90
	Tookie A. Geddes	Traveling expenses	63.02
	Chas. Cowie	Services	136.00
	Rosemary Creamery Co	Butter	162.40
	Julius Huelson	Office expenses	4.80
	A. G. G. Richardson	do	6.62
	O. E. Dyson	Use saddle horse	15.00
	do	Office expenses	7.60
	O. G. Atherton	Traveling expenses	24.65
	S. W. Burt	Use saddle horse	15.00
	H. W. Hawley	Use horse and wagon	39.00
	do	Use horse and buggy	23.00
	Frisby T. Suit	Traveling expenses	25.75
	D. C. Hanawalt	do	69.65
	Saml. E. Cosford	do	18.22
	Wm. P. Ellenberger	do	46.49
	Geo. S. Hickox	do	75.70
	W. S. Cass	Office expenses	2.00
	do	Horse feed	10.00
	S. W. Burch	Traveling expenses	37.90
21	C. N. Stevens	Calf	15.00
	Don C. Ayer	Use horse	15.00
	A. G. G. Richardson	Use horse and buggy	38.00
	Occidental and Oriental	Freight	20.10
	F. H. Lovell & Co.	Time-detector clocks	39.00
	Geo. P. Hall & Son	Photographs	4.80
	Wm. Kraft	Microscope stand	188.25
	Pearre E. Crowl Co.	Type	26.00
	J. T. Woodhouse	Plow, etc.	12.95
	Library Bureau	Cardcase	47.75
	Western Union Telegraph Co	Telegraph service	30.05
	do	do	14.10
	do	do	11.02
22	W. R. Fleming	Traveling expenses	15.45
	Louis Metsker	do	6.25
	C. N. Bugbee	do	71.25
	Edw. S. Schmidt	Prepared feed	14.00
	Ernst Betz	Repairing skylight	12.00
	R. A. Pearson	Butter	4.50
24	Eimer & Amend	Supplies	5.80
	R. A. Pearson	Traveling expenses	50.44
	A. Wilson & Bro.	Forage	1,846.03
	W. B. Moses & Sons	Furniture	103.45
	The Geo. W. Knox Express Co.	Drayage	12.00
	E. N. Hutchinson	Traveling expenses	17.25
	J. M. Sommer	do	10.85
	Frank B. McCall	do	18.00
	E. T. Davison	Services	102.20
	Chicago Car Seal and Manufacturing Co.	Lead disks, tags, etc.	268.90
25	Galveston, Harrisburg and San Antonio Rwy. Co.	Passenger transportation	5.10
	Chicago, Rock Island and Pacific Rwy. Co.	Transportation	2.86
	Harry E. Overstreet	do	1.00
	do	do	1.00
	do	do	1.00
	do	do	1.00
	Pennsylvania Co.	do	1.00
	Chicago, Indianapolis and Louisville Rwy. Co.	do	4.14
	Missouri Pacific Rwy. Co.	do	.37
	Erie R. R. Co.	do	2.60
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	.83
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	.42
	do	do	1.58
	Burlington and Missouri River R. R. in Nebraska	do	.63
	Star Union Line	do	.92
	Illinois Central R. R. Co.	do	.21
	Louisville and Nashville R. R. Co.	do	.55

Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. June 25	Illinois Central R. R. Co.....	Transportation.....	\$1.59
	do.....	do.....	2.12
	W. S. Devoe.....	Traveling expenses.....	75.80
	E. N. Hutchinson.....	Office expenses.....	18.15
	Margaret Burke.....	Traveling expenses.....	20.45
	Fremont, Elkhorn and Missouri Valley R. R. Co.....	Passenger transportation.....	3.14
	The Oregon Railroad and Navigation Co.....	do.....	11.20
	The Chicago, Burlington and Quincy R. R. Co.....	do.....	3.82
	The Rio Grande and Western Rwy. Co.....	do.....	22.40
	Oregon Short Line R. R. Co.....	do.....	23.30
	Gulf, Colorado and Santa Fe Rwy. Co.....	do.....	8.25
	Nashville, Chattanooga and St. Louis Rwy. Co.....	do.....	3.51
	The Atchison, Topeka and Santa Fe Rwy. Co.....	do.....	8.15
27	Savannah, Florida and Western Rwy. Co.....	do.....	6.40
	L. S. Ropiequet.....	Traveling expenses.....	2.27
	W. R. Dennis.....	do.....	12.50
	Washington Gaslight Co.....	Gas.....	38.00
	United States Electric Lighting Co.....	Electric current.....	18.80
	Irvine Frickey.....	Traveling expenses.....	7.55
	Hugh Reilly.....	Zinc.....	22.50
29	United States Express Co.....	Transportation.....	14.33
	Marion Dorset et al.....	Salaries.....	4,236.84
	Jas. K. Kerr, jr.....	Services.....	87.50
	Total, fourth quarter.....		250,740.54
	<i>Supplemental.</i>		
July 2	W. H. Thomas.....	Services.....	41.21
	E. A. de Schweinitz.....	Traveling expenses.....	88.85
	R. W. Hickman.....	do.....	9.30
	S. R. Burch.....	do.....	20.73
	Edw. B. Markham.....	Hogs.....	182.40
	Wm. Lockte.....	Repairs to wagon.....	9.00
	A. Wilson & Bro.....	Cows.....	60.00
	Mackall Bros.....	Corks, etc.....	63.00
	T. W. Brown.....	Window screens, etc.....	4.50
	Parrish-Erickson Hardware Co.....	Water cooler, etc.....	5.00
	Goode & Esden.....	Spray pumps.....	49.84
	M. R. Calkins.....	Pigs.....	46.00
5	Toyo Kisen Kaisha.....	Freight.....	39.20
	F. W. Huntington et al.....	Salaries.....	148.90
	Nathan K. Fegley et al.....	do.....	174.70
	H. A. Hedrick et al.....	do.....	468.00
	W. H. Rose et al.....	do.....	1,017.04
	Julius Huelsen et al.....	do.....	657.60
	A. G. G. Richardson et al.....	do.....	841.60
	Jas. Johnston et al.....	do.....	1,501.50
	Joshua Miller et al.....	do.....	245.04
	R. P. Steddom et al.....	do.....	201.10
	Fredk. Braginton et al.....	do.....	174.70
	A. E. Behnke et al.....	do.....	1,088.10
	E. P. Shaffter et al.....	do.....	538.70
	G. H. Parks.....	Services.....	115.40
	E. L. Volgenau.....	do.....	115.40
	H. D. Mayne.....	do.....	98.90
	W. P. Ellenberger.....	do.....	98.90
	F. W. Hopkins.....	do.....	115.40
	Joseph M. Turner.....	do.....	74.20
	W. M. Foster.....	do.....	59.30
	H. J. Washburn.....	do.....	107.14
	Asa N. McQueen.....	do.....	20.00
	F. T. Dolan.....	do.....	115.40
	Murray J. Myers.....	do.....	98.90
	T. S. Buck.....	Special patented flexible mounts.....	8.25
6	Adams Express Co.....	Transportation.....	56.26
	M. B. Miller.....	Services.....	72.53
	H. L. McDonald.....	do.....	74.20
	Harry D. Paxson.....	do.....	92.31
	Wm. D. Jorden.....	do.....	98.90
	Jos. W. Parker.....	do.....	98.90
	A. C. Hart.....	do.....	98.90
	Dan McCunningham.....	do.....	98.90
	Wm. G. Shaw.....	do.....	98.90
	Geo. E. Totten.....	do.....	98.90
	Geo. W. Browning.....	do.....	98.90



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901.			
July 6	Harry B. Adair	Services	\$115.40
	P. I. Kershner	do	115.40
	Frank T. Shannon	do	115.40
	R. J. Blanche	do	115.40
	L. J. Allen	do	115.40
	Thos. Castor	do	115.40
	Thos. A. Bray	do	115.40
	Frank E. Emery	do	350.00
	Albert Dean et al	Salaries	751.60
	The American Distributing Co	Alcohol	22.92
	Miller Lock Co	Padlocks, etc	35.00
	Kehoe Livery and Trucking Co	Wagon, etc	120.00
	Johnson Electric Service Co	Mechanical stages	192.00
	E. B. Jones	Traveling expenses	83.05
8	Eimer & Amend	Mufflers, etc	6.00
	C. L. Morin	Services	44.00
	W. A. Thomas	do	123.60
	A. A. Holcombe	do	115.40
	Louis Metsker	do	98.90
	R. A. Ramsay	do	98.90
	Robt. H. Treacy	do	98.90
	Jas. Irwin	do	82.40
	H. C. Johnson	do	27.69
	Geo. C. Faville et al	Salaries	275.60
	Alfred F. Martins et al	do	407.17
	L. R. Baker et al	do	891.70
	W. J. Stewart et al	do	817.59
	W. B. Niles et al	do	660.80
	George Ditewig et al	do	263.80
	Jas. S. Kelly et al	do	248.90
9	Houghton & Delano	Materials	147.00
	L. S. Depue	Oats	19.80
	Wm. H. Rupp, agent	Envelopes	21.25
	Wagner Typewriter Co.	Typewriter	89.25
	Hugh Reilly	Glass	13.68
	do	Glue	7.50
	Fred A. Schmidt	Blue paper	2.70
	Bausch & Lomb Optical Co.	Cylinders	222.59
	Star Union Line	Transportation	16.77
	do	do	74
	do	do	4.66
	New York, New Haven and Hartford R. R. Co.	do	1.21
	Burlington and Missouri River R. R. in Nebraska	do	3.44
	Lake Shore and Michigan Southern Rwy. Co.	do	.45
	Grand Trunk Rwy. System	do	.37
	Pennsylvania Co	do	3.51
	do	do	.67
	Illinois Central R. R. Co	do	2.94
	Lehigh Valley R. R. Co	do	.75
	Pennsylvania R. R. Co	Passenger transportation	45.00
	Michigan Central R. R. Co	Transportation	.72
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	.34
	Chicago, Burlington and Quincy R. R. Co	do	.57
	do	do	1.71
	Missouri Pacific Rwy. Co	do	.68
	Union Pacific R. R. Co	Passenger transportation	9.14
10	O. E. Dyson et al	Salaries	7,965.64
	Morris Wooden et al	do	6,280.55
	Saml. E. Bennett et al	do	5,838.02
	C. H. Zink et al	do	721.90
	E. P. Dowd et al	do	174.70
	H. P. Armsby et al	do	176.30
	W. J. Murphy et al	do	174.70
	H. N. Waller et al	do	2,569.77
	C. A. Schaufier et al	do	939.57
	A. J. Payne et al	do	842.19
	W. S. Cass et al	do	1,155.40
	H. G. Moore et al	do	1,250.44
	Jas. J. Brougham et al	do	2,002.52
	L. E. Day et al	do	174.70
	Boyd Baldwin et al	do	614.80
	Thos. J. Turner et al	do	822.50
	Jas. M. Goode et al	do	158.20
	Ira K. Atherton et al	do	177.90
	E. W. Barthold et al	do	1,541.80

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901.	Jno. C. Milnes et al.	Salaries	\$529.20
July 10	Herman Busman et al.	do	850.40
	J. K. Skinner et al.	do	208.40
	L. K. Green et al.	do	234.00
	F. W. Ainsworth et al.	do	416.76
	F. L. Russell	Traveling expenses	42.15
	Jno. A. Bell	Services	32.00
	Wm. F. Lavery	do	98.90
	W. B. Lincoln	do	115.40
	W. C. Barth	do	115.40
	Geo. W. Butler	do	98.90
	F. T. Suit	do	98.90
	Clinton H. Bugbee	do	98.90
	D. Frank Parker	Typewriter paper	26.85
	W. B. Moses & Sons	Furniture	394.65
12	J. Otis Jacobs	Traveling expenses	31.15
	W. R. Fleming	do	39.61
	W. G. Shaw	do	96.70
	A. A. Holcombe	do	15.06
	C. P. Staines	do	30.75
	Hugh M. Rowe	do	110.30
	H. G. Moore	do	7.90
	R. M. Mahana	do	6.75
	Clarence Loveberry	do	4.30
	Harry K. Walter	do	6.40
	E. P. Schaffter	do	2.50
	S. E. Bennett	do	9.50
	M. B. Miller	do	7.00
	Harry B. Adair	do	13.85
	Geo. C. Moser	do	27.00
	Thos. Castor	do	40.40
	Geo. E. Totten	do	12.45
	W. B. Niles	do	23.30
	H. D. Mayne	do	18.27
	E. L. Volgenau	do	23.51
	Robt. Darling	Office expenses	.20
	do	do	1.65
	do	do	6.00
	T. J. Shipley et al.	Salaries	323.10
	Don C. Ayer et al.	do	4,020.11
	R. W. Tuck et al.	do	709.66
	F. L. Russell	Services	88.00
	Hervey T. Potter	do	6.00
	Chas. Cowie	do	136.00
	Saml. G. Hendren	do	115.40
	F. M. Perry	do	115.40
	Toole A. Geddes	do	164.80
	G. W. Ward	do	115.40
	Wm. Yenner	do	74.20
	B. A. Galligan	do	1.37
	Geo. S. Hickox	do	98.90
	E. A. Bundy	do	22.25
	D. C. Hanawalt	do	98.90
	W. E. Howe	do	115.40
	J. Otis Jacobs	do	115.40
	Jno. McBirney	do	131.90
	M. S. Lantz	do	98.90
	D. Cumming	do	70.00
	Frank A. Ewing	do	46.98
	W. R. Dennis	do	74.20
	Jno. H. McNeill	do	52.75
	A. J. Pistor	do	72.53
	M. O. Anderson	do	115.40
	Geneveve Petrie	do	3.30
	Lowell Clarke	do	115.40
	A. B. Morse	do	115.40
	W. S. Devoe	do	164.80
13	F. L. Russell	do	24.00
	David R. Hodges	do	74.20
	Frank Parker	do	98.90
	Thos. Redmond	do	39.56
	Roy N. Drake	do	98.90
	Hugh M. Rowe	do	98.90
	Z. D. Gilman	Supplies	38.33
	Rudolph, West & Co	do	57.90
	do	Hardware	19.80
	Jno. C. Parker	Copyholders, etc	11.15
	Mackall Bros	Laboratory supplies	17.10
	Thos. Somerville & Sons	Pipes, etc	253.92

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901.			
July 13	Thos. Somerville & Sons .....	Hydrants, etc.....	\$34.94
	do .....	Basins, etc .....	26.25
	Louis A. Robinson et al .....	Salaries .....	1,350.35
	Jno. Forbes et al .....	do .....	2,461.35
	N. C. Sorensen et al .....	do .....	1,666.46
	A. R. Wake et al .....	do .....	1,073.79
	Wm. Thompson et al .....	do .....	1,012.81
	Frank D. Ketchum et al .....	do .....	847.20
	Geo. S. Baker et al .....	do .....	413.80
	Chas. Keane et al .....	do .....	418.40
	E. N. Hutchinson et al .....	do .....	325.60
	Robt. Darling et al .....	do .....	273.60
	Frank B. McCall et al .....	do .....	115.40
	Saml. E. Cosford et al .....	do .....	174.70
	O. B. Hess et al .....	do .....	174.70
	W. H. Gibbs et al .....	do .....	158.20
	Clarence Loveberry et al .....	do .....	158.20
	Thos. Somerville & Sons .....	Pipe cutter, etc .....	4.25
	Houghton & Delano .....	Seed plates, etc .....	28.77
	The Evening Star Newspaper Co .....	Advertising .....	9.30
	The Times Co .....	do .....	11.20
16	Bausch & Lomb Optical Co .....	Camel-hair brushes, etc .....	60.16
	Electro-Tint Engraving Co .....	Impressions of chickens .....	330.00
	E. J. Brooks & Co .....	Compressor glasses .....	74.00
	Page Woven Wire Fence Co .....	Wire fence, etc .....	811.25
	R. A. Ramsay .....	Traveling expenses .....	4.75
	Louis K. Green .....	do .....	5.85
	C. H. Bugbee .....	do .....	11.75
	E. N. Hutchinson .....	do .....	14.60
	Geo. W. Browning .....	do .....	5.05
	Frank T. Shannon .....	do .....	25.00
	Peter I. Kershner .....	do .....	20.50
	Jos. W. Parker .....	do .....	21.55
	Louis Metsker .....	do .....	52.75
	Wm. D. Jordan .....	do .....	102.34
	Wm. C. Honan .....	do .....	19.00
	Murray J. Myers .....	do .....	31.55
	Geo. S. Hickox .....	do .....	36.60
	D. R. Hodges .....	do .....	55.85
	H. M. Rowe .....	do .....	81.50
	W. A. Thomas .....	do .....	23.90
	Chas. M. Day .....	do .....	32.10
	A. J. Smith .....	Services .....	39.56
	H. A. Christman .....	do .....	115.40
	L. P. Beechy .....	Traveling expenses .....	6.50
	Walter E. Howe .....	do .....	16.75
	R. H. Treacy .....	do .....	45.25
	D. C. Hanawalt .....	do .....	42.25
	W. A. Savage .....	do .....	57.28
	The Washington Post Co .....	Advertising .....	11.10
	E. A. de Schweinitz .....	Office expenses .....	3.90
	R. A. Pearson .....	Traveling expenses .....	68.85
17	L. J. Allen .....	do .....	41.45
	W. G. Shaw .....	do .....	92.10
	Dan McCuningham .....	do .....	73.53
	Jos. M. Good .....	do .....	2.35
	F. D. Ketchum .....	do .....	18.40
	Edw. A. Bundy .....	do .....	46.30
	Louis K. Green .....	do .....	3.25
	Saml. E. Cosford .....	do .....	11.21
	Don. W. Patton .....	do .....	40.19
	J. Otis Jacobs .....	do .....	34.50
	Eureka Blotter Bath Co .....	Copying cloths and baths .....	34.50
	W. P. Ellenberger .....	Traveling expenses .....	57.23
	Matt. S. Lantz .....	do .....	47.00
	C. H. Zink .....	do .....	5.31
	C. O. Durfee .....	do .....	5.20
	B. P. Wende .....	do .....	10.70
	L. A. Robinson .....	do .....	7.56
	Jas. F. Hughes .....	do .....	6.25
	Harry M. Ball .....	do .....	6.55
	W. N. D. Bird .....	do .....	8.85
	Jno. P. O'Leary .....	do .....	8.26
	F. M. Perry .....	do .....	31.45
	G. W. Ward .....	do .....	34.45
	F. L. Russell .....	do .....	13.05
	Church & Stephenson .....	Lumber .....	101.15
	Geo. E. Howard .....	Drawings .....	50.00
	Wm. Yenner .....	Traveling expenses .....	73.95



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901.			
July 17	R. A. Ramsay .....	Traveling expenses .....	\$28.40
	Lowell Clarke .....	do .....	74.25
	L. A. Klein .....	Services .....	52.75
	Claude M. McFarland .....	do .....	98.90
	A. J. Smith .....	Traveling expenses .....	38.25
	F. T. Suit .....	do .....	82.75
18	Sun Printing and Publishing Association .....	Advertising .....	36.00
	Pennsylvania R. R. Co .....	Transportation .....	.35
	do .....	do .....	.35
	do .....	do .....	.35
	R. A. Pearson .....	Traveling expenses .....	510.63
19	Arthur C. Hart .....	do .....	21.60
	A. J. Pistor .....	do .....	2.00
	Chas. H. Stevens .....	do .....	2.40
	Carrie Ehlers .....	do .....	8.00
	Thos. Redmond .....	do .....	46.55
	J. F. Ryder .....	Services .....	164.80
	do .....	Traveling expenses .....	45.00
	Caroline Burnaby .....	Services .....	40.00
	W. H. Wray .....	do .....	375.00
	do .....	Traveling expenses .....	12.91
	Chas. Cowie .....	do .....	32.90
	A. D. Melvin .....	do .....	39.52
	The Dispatch Co .....	Advertising .....	1.97
	United States Envelope Co .....	Envelopes .....	11.55
	United States Electric Lighting Co .....	Electric current .....	25.11
	Washington Gaslight Co .....	Gas .....	29.60
	United States Express Co .....	Transportation .....	9.88
	C. W. Stiles .....	Traveling expenses .....	45.00
20	Jno. C. Parker .....	Supplies .....	315.91
	The Morning Post .....	Advertising .....	2.80
	Houston Printing Co .....	do .....	3.10
	Fredk. T. Dolan .....	Traveling expenses .....	100.28
22	E. C. Schroeder .....	Office expenses .....	8.91
	Wyckoff, Seamans & Benedict .....	Letter paper .....	10.50
	M. Du Perow .....	Fans .....	64.50
	Barber & Ross .....	Shears .....	10.00
23	The Beveridge Lumber Co .....	Lumber .....	560.00
	Library Bureau .....	Cards, etc. .....	20.10
	H. A. Hedrick .....	Office expenses .....	9.21
	Chas. A. Schauflier .....	do .....	3.70
	do .....	do .....	36.25
	A. G. Richardson .....	do .....	14.93
	Jno. A. Bell .....	Traveling expenses .....	8.12
	Geo. C. Faville .....	Office expenses .....	7.90
	Ephraim Dietrich .....	do .....	8.53
	Don C. Ayers .....	do .....	2.65
	Chas. Keane .....	do .....	2.60
	Jas. S. Kelly .....	do .....	.55
	F. D. Ketchum .....	do .....	6.34
	Rice P. Steddom .....	Traveling expenses .....	5.97
	Ira K. Atherton .....	Office expenses .....	2.35
	E. A. de Schweinitz .....	do .....	20.10
24	R. A. Pearson .....	do .....	7.50
	J. Manz Engraving Co .....	Engraving .....	19.00
	O. E. Dyson .....	Office expenses .....	12.86
	A. E. Behnke .....	do .....	28.99
	Thos. J. Turner .....	do .....	18.25
	F. W. Hopkins .....	Traveling expenses .....	27.53
	Lewis R. Baker .....	Office expenses .....	2.45
	Wm. Thompson .....	do .....	12.68
	C. M. Day .....	do .....	8.00
	T. A. Shipley .....	do .....	9.75
	Hal. Gaylord .....	Advertising .....	2.50
	E. N. Hutchinson .....	Office expenses .....	17.00
	B. L. Stine .....	do .....	13.15
	Tribune Co .....	Advertising .....	18.60
25	G. L. McKay .....	Services .....	200.00
	Albert Dean .....	do .....	8.61
	Frank Parker .....	Traveling expenses .....	81.85
	Jno. McBirney .....	do .....	118.75
	Thos. White .....	Services .....	45.65
	Boyd Baldwin .....	Office expenses .....	5.12
	Allen A. Holcombe .....	do .....	6.25
	W. S. Cass .....	do .....	2.00
	F. W. Ainsworth .....	do .....	2.85
	Adelbert Green .....	Services .....	32.50
	J. J. Brougham .....	Office expenses .....	15.85
	Albert J. Payne .....	do .....	16.00

## 56 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901.			
July 25	A. G. G. Richardson .....	Office expenses .....	\$6.61
	Julius Huelson .....	do .....	6.30
	Hiram Jerome .....	do .....	7.60
	Nathan K. Fegley .....	do .....	1.00
	Harry N. Waller .....	do .....	16.80
	W. H. Rose .....	do .....	36.65
26	Victor A. Norgaard .....	Traveling expenses .....	141.30
	do .....	Office expenses .....	18.00
	do .....	do .....	14.99
	N. C. Sorensen .....	do .....	15.36
	O. B. Hess .....	Traveling expenses .....	21.00
	Geo. S. Baker .....	do .....	5.60
	do .....	Office expenses .....	.45
	Chester Miller .....	Traveling expenses .....	32.85
	Frank A. Ewing .....	do .....	86.40
	Union Pacific R. R. Co .....	Passenger transportation .....	30.00
	The Atchison, Topeka and Santa Fe Rwy. Co. ....	do .....	16.60
27	W. B. Niles .....	Office expenses .....	97.00
	Geo. E. Marshall & Co. ....	Paper baskets .....	3.48
	A. P. Little .....	Paper, etc. ....	4.60
	B. Dufrain .....	Moving furniture .....	20.00
	Chicago Telephone Co .....	Rent .....	43.75
	A. W. Martin & Co. ....	Rack .....	3.38
	The Consumers Co .....	Ice .....	30.19
	The New Telephone Co .....	Rent of 2 telephones .....	20.00
	Frontier Supply Co .....	Towel supply .....	11.83
	Chas. Keane .....	Service .....	2.10
	W. S. Cass .....	Feeding horse .....	10.60
	The Iowa Telephone Co. ....	Service .....	10.25
	The Layton Co .....	Heat, light, etc. ....	10.80
29	Z. D. Gilman .....	Supplies .....	21.05
	Barber & Ross .....	Scissors, etc. ....	77.25
	Wm. Lochte .....	Shoeing horses .....	13.00
	Wagner Typewriter Co. ....	Typewriter .....	87.50
	Leo Baum .....	Reproduction of pictures .....	10.50
	C. Deaderick .....	Office rent .....	30.00
	Robt. L. McQuat .....	Desk fan .....	12.06
	Alex. Williams .....	Mare .....	20.00
	O. E. Dyson .....	Use of saddle horse .....	15.00
	S. W. Burt .....	do .....	15.00
	Office Toilet Supply Co .....	Towels furnished .....	151.67
	H. W. Hawley .....	Use horse and wagon .....	37.50
	do .....	Use horse and buggy .....	23.00
	do .....	Use saddle horse .....	23.00
	Saml. E. Bennett .....	Gas .....	2.97
	Wyandotte Gas Co. ....	Telephone service .....	12.50
	Armour Packing Co. ....	Office rent .....	135.00
	G. W. Tourtellot .....	Office expenses .....	2.25
	F. B. McCall .....	Traveling expenses .....	95.81
	Louis A. Klein .....	do .....	61.50
	W. R. Dennis .....	Services .....	115.40
	W. A. Savage .....	Office rent .....	135.00
	St. Louis Stock Yards Co .....	Use horse and buggy .....	25.00
	Chas. Keane .....	do .....	20.00
	Samuel E. Cosford .....	do .....	30.00
	G. W. Butler .....	Laundering .....	3.66
	Armstrong Laundry .....	Office rent .....	30.00
	Belt R. R. and Stock Yard Co .....	Mare .....	10.00
	Paul H. Bequin .....	Horse .....	35.00
	A. A. Lamb .....	Use of horse and buggy .....	35.00
	Albert E. Behnke .....	2 mares .....	60.00
	Jno. A. Dixon .....	Desk .....	39.75
	Cooperative Furniture Co .....	Use saddle horse .....	72.00
	Thos. A. Bray .....	Use horse and buggy .....	18.00
	Jas. W. Davis .....	Use horse .....	15.00
	Don C. Ayer .....	Missouri and Kansas Telephone Co .....	12.50
30	Jas. B. Lambie .....	Supplies .....	15.79
	Bourbon Stock Yards Co. ....	Office rent .....	30.00
	The Kansas City Stock Yards Co., of Mis- souri .....	do .....	49.50
	Cutler and Nielson Paint and Color Co .....	Thinner .....	2.50
	W. A. Mosley .....	Wash boiler, etc. ....	1.50
	Emery Bird Thayer Dry Goods Co .....	Shades, etc. ....	5.03
	Union Stock Yard and Transit Co .....	Office rent .....	225.00
	Gahan & Byrne .....	do .....	675.00
	Nebraska Telephone Co .....	Rent .....	13.50
	A. Bauman, jr .....	Use horse and buggy .....	20.00
	Thos. Redmond .....	Services .....	30.16

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901.			
July 30	L. B. Lessert	Mare	\$30.00
	F. D. Ketchum	Use horse and buggy	20.00
	do	Office expenses	.90
	J. J. Van Eaton	Office rent	21.60
	St. Louis National Stock Yards	do	50.00
	Per Ehrenheim	do	30.00
	The Fredk. C. Gross & Bros. Co	do	51.00
	The Cincinnati Union Stock Yards Co	do	45.00
31	Geo. C. Faville	Office expenses	11.90
	J. E. R. Carpenter	Office rent	52.50
	W. M. Foster	Office expenses	11.35
	Jno. H. Ackerman	Horse	200.00
	A. G. G. Richardson	Use horse and buggy	38.00
	New England Telephone and Telegraph Co	Service	52.50
	Bay State Clean Towel Co	Towel service	12.78
	Gerald E. Street	Service	24.00
	Jas. M. Codman	Officerent	90.00
	New York Telephone Co	Rent and service	28.07
	Jas. Stikeman	Office rent	125.00
	Chas. A. Schaufler	Keep of horse	60.00
	The Bell Telephone of Philadelphia	Service	40.00
	International Office Toilet Supply Co.	Clean towels	4.94
	Bell Telephone Co. of Buffalo	Service	23.28
	East Buffalo Live Stock Exchange Co.	Office rent	90.00
	C. H. Zink	Office expenses	.75
	do	Use horse and buggy	120.00
	N. Rufus Gill	Office rent	31.25
	Chesapeake and Potomac Telephone Co.	Rent	19.50
	H. Haywood	Manuscript	125.00
	Wm. Krafft	Microscope	83.20
Aug. 2	S. Foter & Co.	Butter, etc.	370.47
	Jno. H. McNeale	Traveling expenses	50.00
	W. E. Pratt	Hog rings	221.10
	A. M. Rothchild & Co	Cloth	3.60
	Plenty Birds	1 mare	20.00
	Jno. A. Craig	Manuscript	66.00
	Jas. B. Lambie	Files, etc.	11.26
	New York Telephone Co	Rent and services	19.05
	Brigham Hoppe & Co	Butter and cheese	75.92
	Dairymen's Union of California	Butter	173.40
	Dodge, Sweeney & Co.	Cream	37.50
	Elvin T. Davison	Services	98.90
	Claude McFarland	Traveling expenses	19.90
	Roy N. Drake	do	49.00
	Geo. C. Walker	Water tank	502.92
	Norfolk and Western R. R. Co.	Passenger transportation	6.10
	Baltimore and Ohio R. R. Co.	do	17.50
	Galveston, Harrisburg and San Antonio Rwy. Co.	do	7.50
	Fort Worth and Denver City Rwy. Co.	do	4.30
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	do	46.50
	Southern Rwy. Co.	do	49.52
	Fremont, Elkhorn and Missouri Valley R. R. Co.	do	2.82
	Boston and Albany R. R. Co	do	2.23
	The Rio Grande Western Rwy. Co.	do	42.20
	Illinois Central R. R. Co.	do	17.70
	The Pacific Mail Steamship Co.	Transportation	39.00
	The Wabash R. R. Co.	Passenger transportation	4.29
	Southern Rwy. Co.	do	16.55
	do	do	15.20
	R. Carter Ballantyne	Wax, etc.	7.75
	Goes Lithographing Co	Meat inspection stamps	616.87
3	J. E. Dunn	Hauling	17.85
	Mackall Bros	Supplies	99.97
5	Wm. G. Shaw	Traveling expenses	60.40
	W. E. Hill	do	28.20
	Joshua Miller	Office expenses	1.25
	Southern California Rwy. Co.	Passenger transportation	5.00
	Chicago and Northwestern R. R. Co	do	12.75
	The Chicago, Burlington and Quincy R. R. Co.	do	7.50
	Burlington and Missouri River R. R. in Nebraska.	do	42.65
	New York Central and Hudson River R. R. Co.	do	10.65
	Southern Pacific Co.	do	13.30
	Northern Pacific Rwy. Co.	do	12.85



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901.			
Aug. 6	American Tag Co	Tags	\$250.00
	International Seal and Lock Co	Seals	200.00
	Thos. W. Smith	Doors, etc.	16.89
7	L. Enos Day	Office expenses	.60
8	Fredk. Braginton	do	.60
	E. P. Dowd	do	.20
9	Thos. Somerville & Son	Hydrants	962.48
	do	Supplies	14.61
	Archd. McBride	Traveling expenses	20.90
	American Ice Co	Ice	21.43
10	Wyckoff, Seamans & Benedict	Card cylinder	2.35
12	E. Burgdorf	Hire teams	33.00
	do	do	26.00
	do	do	33.00
	do	do	33.00
	Rudolph, West & Co	Hardware	14.75
	Electro-Tint Engraving Co.	Prints of chicken	330.00
	C. L. Morin	Traveling expenses	.75
	The Geo. W. Knox Express Co.	Transportation	22.02
16	W. B. Moses & Sons	Linoleum, etc	382.19
	do	Carpet, etc	276.26
	E. E. Laird	Traveling expenses	4.00
	W. C. Barth	do	10.12
	E. T. Davison	do	4.82
17	A. B. Morse	Office expenses	.85
	W. H. Wray	do	37.07
19	Goodyear Rubber Co	Sheeting	5.75
	J. Haberle	Iron boxes	50.00
	Thos. White	Traveling expenses	11.39
	Hugh M. Rowe	Office expenses	1.50
	E. H. Catlin & Co	Tagging hooks	.75
20	Jno Forbes	Office expenses	5.00
	do	Use horse	45.00
	Emil Greiner	Graduates, etc	4.22
21	Toolie A. Geddes	Office expenses	2.62
	The Chesapeake and Potomac Telephone Co.	Rent	123.75
22	Bausch & Lomb Optical Co.	Office expenses	10.36
	Blue Line Transfer Co	Transportation	1.00
	Geo. F. Muth & Co	Turpentine	26.14
23	J. A. Cooper	Use horse	8.00
	A. H. Reid	Butter boxes	12.95
	B. Cunningham	Traveling expenses	5.35
	J. H. Newbauer	Cream	50.05
28	W. B. Moses & Sons	Furniture	40.85
	E. T. Davison	Traveling expenses	45.25
	W. S. Devoe	do	80.25
29	Toolie A. Geddes	do	201.07
	Jno. H. McNeal	do	49.93
	A. M. Rork	do	22.58
	Emma J. Adams, administratrix, et al	Office rent	120.00
30	The J. C. Ergood Co	Soap, etc	17.25
	Barber & Ross	Hasps, etc	8.56
	L. B. Lessrt, jr	Mare	15.00
Sept. 4	W. B. Niles	Office expenses	76.60
	do	do	60.20
	do	do	6.55
	Mackall Bros	Supplies	102.75
	Chas. R. Edmonston	Water coolers, etc	58.48
5	C. R. Wolfenden	Mare	25.00
11	W. D. McArthur	Services	90.00
23	J. C. Milnes	Traveling expenses	12.15
	Frank A. Ewing	Services	27.20
Oct. 2	Burrelles Press Clipping Bureau	Clipping	2.38
	do	do	6.78
4	Illinois Central R. R. Co.	Passenger transportation	8.10
	Chicago and Alton Rwy. Co.	do	12.50
5	Fremont, Elkhorn and Missouri Valley Rwy. Co.	do	40.36
	The Chicago, Burlington and Quincy R. R. Co.	do	12.50
	do	do	30.00
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	23.00
	Chicago, Rock Island and Pacific Rwy. Co.	do	38.28
	Oregon Short Line R. R. Co.	do	33.80
	New York, New Haven and Hartford R. R. Co.	do	20.75
	Galveston, Harrisburg and San Antonio Rwy. Co.	do	26.55
	do	do	5.10

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BUREAU OF ANIMAL INDUSTRY—SALARIES AND EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901. Oct. 5	The Wabash R. R. Co.....	Passenger transportation.....	\$14.01
	Chicago and Northwestern Rwy. Co.....	do.....	43.97
	Union Pacific R. R. Co.....	do.....	60.00
	The Minneapolis and St. Louis R. R. Co.....	do.....	12.97
	Southern California Rwy. Co.....	do.....	18.50
	Kansas City, Memphis and Birmingham R. R. Co.....	do.....	25.00
	Pennsylvania Co.....	do.....	17.50
	Pennsylvania R. R. Co.....	do.....	63.50
	do.....	do.....	20.00
	Baltimore and Ohio R. R. Co.....	do.....	12.75
	Northern Pacific Rwy. Co.....	do.....	22.90
11	Chas. R. Edmonston.....	Water cooler.....	14.46
	The Geo. W. Knox Express Co.....	Transportation.....	1.18
	R. P. Clarke Co.....	Silk handkerchiefs.....	9.00
12	Postal Telegraph Cable Co.....	Service.....	30.62
14	J. C. Milnes.....	Office expenses.....	5.60
	Total supplemental.....		92,706.65

## RECAPITULATION.

First quarter.....	\$148,706.17
Second quarter.....	234,946.70
Third quarter.....	236,252.66
Fourth quarter.....	250,740.54
Supplemental.....	92,706.65
Total.....	963,352.72

## BUREAU OF ANIMAL INDUSTRY—RENT OF BUILDINGS.

Date.	Name.	Nature of payment.	Total.
1900. Aug. 21 Sept. 24	J. Harrison Johnson & Son.....	Rent of building.....	\$150.00
	do.....	do.....	150.00
	Total first quarter.....		300.00
Oct. 25 Dec. 4 26	J. Harrison Johnson & Son.....	Rent of building.....	150.00
	do.....	do.....	150.00
	do.....	do.....	150.00
	Total second quarter.....		450.00
1901. Jan. 17 Feb. 11 Mar. 18	J. Harrison Johnson & Son.....	Rent of building.....	150.00
	do.....	do.....	150.00
	do.....	do.....	150.00
	Total third quarter.....		450.00
Apr. 9 May 10 June 11	J. Harrison Johnson & Son.....	Rent of building.....	150.00
	do.....	do.....	150.00
	do.....	do.....	150.00
	Total fourth quarter.....		450.00
	<i>Supplemental.</i>		
Aug. 19	J. Harrison Johnson & Son.....	Rent of building.....	150.00
	Total.....		1,800.00

## TREASURY ORDERS.

1900. Nov. 4	Union Pacific R. R. Co.....	Passenger transportation.....	\$109.45
	Freemont, Elkhorn and Missouri Valley R. R. Co.....	do.....	16.90
8	Kansas City, St. Joseph and Council Bluffs R. R. Co.....	do.....	8.66

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## TREASURY ORDERS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Jan. 16	Sioux City and Pacific R. R. Co.....	Passenger transportation.....	\$9.52
Mar. 26	Southern Pacific Co., Pacific System.....	do.....	29.50
	do.....	do.....	20.00
Apr. 18	do.....	do.....	15.00
	Sioux City and Pacific R. R. Co.....	do.....	8.66
24	Southern Pacific Co., Pacific System.....	do.....	2.06
	Sioux City and Pacific R. R. Co.....	do.....	53.27
May 10	Southern Pacific Co., Pacific System.....	do.....	59.00
June 26	do.....	Transportation.....	.78
	Chicago and Northwestern Rwy. Co.....	Passenger transportation.....	74.30
	Sioux City and Pacific R. R. Co.....	do.....	14.16
	do.....	Transportation.....	1.06
Aug. 6	Fremont, Elkhorn and Missouri Valley R. R. Co.....	Passenger transportation.....	14.08
Oct. 14	Southern Pacific Co.....	Transportation.....	2.05
	do.....	Passenger transportation.....	142.75
	do.....	do.....	30.85
	do.....	do.....	78.35
	do.....	do.....	26.24
	Sioux City and Pacific R. R. Co.....	do.....	4.53
	Total.....		721.17

## LIBRARY.

1900.			
July 19	M. E. Mann.....	Books.....	\$13.00
Aug. 1	Sam'l. H. Moore.....	Chautauqua library cases.....	30.00
	W. H. Lowdermilk & Co.....	Dictionaries.....	16.50
3	R. Carter Ballantyne.....	Books.....	42.25
10	Gaylord Bros.....	Adhesive parchment paper.....	.75
	The Macmillan Co.....	Cyclopedia of Horticulture.....	15.00
	R. L. Polk & Co.....	Medical and Surgical Register.....	10.00
	Sarah H. Killikelly.....	Curious Questions.....	2.00
	S. T. McLean & Co.....	Books.....	2.50
	do.....	Century Dictionary.....	50.00
	Lemcke & Buechner.....	Books.....	13.50
14	Richd. L. Lamb.....	Type.....	2.80
20	H. E. Hooper.....	Century Atlas.....	8.75
21	L. S. Rose.....	Botany Manuals.....	4.00
	Chas. L. Smith.....	Moore's Index Filicum.....	5.75
	Paul Klincksieck.....	Book.....	120.00
Sept. 7	Geo. T. King.....	Dictionary of Gardening.....	4.00
	The National Nurseryman Publishing Co.....	National Nurseryman.....	1.00
17	R. Friedlander & Sohn.....	Books.....	13.55
	R. K. Bowker.....	Trade list.....	2.00
24	Lemcke & Buechner.....	Books.....	45.25
	do.....	do.....	42.00
	do.....	do.....	8.25
	do.....	do.....	7.90
	William Wesley & Son.....	do.....	7.50
	do.....	do.....	1.00
	do.....	do.....	2.50
	do.....	do.....	37.37
	do.....	do.....	11.24
	Bates Manufacturing Co.....	Pads.....	.30
	Gustav E. Stechert.....	Books.....	4.30
	Total first quarter.....		524.69
Oct. 4	R. Friedlander & Sohn.....	Books.....	29.95
	H. E. Hooper.....	Atlas.....	8.75
	Lemcke & Buechner.....	Books.....	9.90
	do.....	do.....	5.20
12	H. N. Paterson.....	Cards.....	22.50
15	Lemcke & Buechner.....	Books.....	22.69
Nov. 13	Elva E. Hicks.....	do.....	73.13
17	Chas. L. Smith.....	Book.....	3.50
20	Jno. D. Smith.....	Books.....	7.50
	J. N. Rose.....	do.....	5.25
22	Lawyers' Cooperative Publishing Co.....	Digest.....	12.00
	Bernard Quaritch.....	Books.....	23.13
	Henry Sampson.....	Southern Planter.....	20.00
23	The Plant World Co.....	Books.....	2.00
24	W. H. Lowdermilk & Co.....	do.....	10.65
27	R. Carter Ballantyne.....	Farm Implement News.....	1.35
	Chas. W. Smiley.....	Book.....	1.00



Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## LIBRARY—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Dec. 23	Fifth Avenue Auction Rooms .....	Books .....	\$104.85
	Lemcke & Buechner .....	do .....	5.10
	do .....	do .....	5.00
	do .....	do .....	9.07
	do .....	do .....	2.76
	do .....	do .....	12.60
	do .....	do .....	30.21
	do .....	do .....	5.73
	do .....	do .....	33.93
	do .....	do .....	4.40
	do .....	do .....	4.15
	do .....	do .....	3.86
	do .....	do .....	2.95
	The Baker & Taylor Co. ....	do .....	14.90
	The University of Chicago Press ..	do .....	2.80
	Chas. L. Smith .....	do .....	15.20
6	F. M. Morris .....	Guide to the United States .....	2.08
14	Wm. Wesley & Sons .....	Book .....	6.00
	do .....	do .....	5.00
	do .....	Subscription, vol. 1, Ramsay ..	2.50
	do .....	Books .....	2.48
17	Chas. L. Smith .....	do .....	12.00
18	Wm. Wesley & Sons .....	do .....	24.38
	do .....	do .....	10.00
	Library Bureau .....	Cards and trays .....	34.45
19	Municipal Engineering Co. ....	Subscription .....	2.00
20	Lemcke & Buechner .....	Books .....	28.45
	do .....	do .....	15.18
	The Boston Book Co .....	do .....	10.00
	Gustav E. Stechert .....	do .....	17.57
	do .....	do .....	3.30
	A. Williams & Co. ....	do .....	1.76
	Gustav E. Stechert .....	do .....	16.60
29	J. H. Steiner .....	do .....	4.50
	American Florist Co .....	Directory .....	2.00
	Allen's Press Clipping Bureau ..	Clippings .....	24.00
	Total second quarter .....		740.31
1901			
Jan. 3	A. A. Heller .....	Book .....	1.00
	R. Friedlander & Sohn .....	Books .....	15.98
4	Gustav E. Stechert .....	do .....	23.06
	do .....	do .....	8.63
	Lemcke & Buechner .....	do .....	1.68
	do .....	do .....	1.84
	do .....	do .....	2.30
	do .....	do .....	7.80
	do .....	do .....	10.09
	do .....	do .....	10.06
	do .....	do .....	16.55
	do .....	do .....	24.24
	do .....	do .....	38.71
7	Harrison G. Dyar .....	do .....	5.30
12	The Washington Post Co .....	Post .....	4.20
14	W. H. Lowdermilk & Co .....	Books .....	12.00
19	T. H. Castor & Co .....	do .....	39.12
	J. J. De Forest .....	The Prairie Farmer .....	1.30
	The Lawyers' Cooperative Publishing Co.	Digest .....	6.00
	H. V. & H. W. Poor .....	Book .....	10.00
21	Bates Manufacturing Co .....	Ink .....	.40
	The Macmillan Co .....	Books .....	10.00
	Thos. Meehan & Sons .....	Meehan's Monthly .....	4.00
	Jas. T. White & Co .....	Book .....	8.00
	Lemcke & Buechner .....	Books .....	49.56
	do .....	do .....	6.00
	do .....	do .....	19.85
	do .....	do .....	6.11
	do .....	do .....	11.50
	do .....	do .....	4.14
24	E. Morrison Paper Co .....	Trunk board .....	10.62
26	Lemcke & Buechner .....	Books .....	39.00
Feb. 2	Brentanos .....	do .....	61.34
	The National Conference of Charities and Corrections .....	do .....	1.25
5	Gustav Fock .....	do .....	12.85
11	T. H. Castor & Co .....	do .....	6.52
	Jas. W. Withers .....	do .....	3.00
	American Society of Civil Engineers ..	do .....	3.75
	Brentanos .....	do .....	3.96

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## LIBRARY—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Feb. 12	Library Bureau	Labels	\$1.75
13	N. Murray	Books	10.00
	W. H. Lowdermilk & Co	do	4.00
	Paul Parey	do	3.57
19	Cambridge Botanical Supply Co.	do	8.00
	Willard N. Clute	do	.55
	The Rural Northwest	do	3.00
21	The Macmillan Co	do	2.54
23	Gustav E. Stechert	do	5.16
	Lemcke & Buechner	do	14.34
	do	do	17.85
	Gustav E. Stechert	do	52.71
	Lemcke & Buechner	do	33.28
27	Jersey Bulletin Co	Book	5.00
28	Wm. Wesley & Son	Books	17.50
	do	do	11.25
	do	do	10.91
	do	do	5.00
	do	do	1.25
	Bernard Quaritch	do	3.65
Mar. 14	Wm. Ballantyne & Sons	do	6.40
15	Cumulative Index Co	Index, 1899-1900	10.00
18	Library Bureau	Case and card pockets	22.80
	Lemcke & Buechner	Books	2.75
	do	do	1.00
	do	do	1.00
	Gustav E. Stechert	do	32.70
	Lemcke & Buechner	do	.72
	Gustav E. Stechert	do	6.00
	T. H. Castor & Co.	do	6.52
23	O. C. Warehime	Book	3.00
	Washington Academy of Science	do	1.00
	The Publishers' Weekly	do	3.50
	Total third quarter		810.41
Apr. 3	Lemcke & Buechner	Books	20.40
	do	do	35.23
	L. M. Underwood	Index cards	3.56
4	W. H. Lowdermilk & Co.	Book	7.50
72	Wm. Wesley & Son	Books	12.00
	do	do	1.00
	The Field and Farm	do	2.00
	Frederick Muller & Co	do	38.00
18	Julius Kuhlman	do	.85
19	Wm. J. Gerhard	Pamphlets	4.55
22	Lemcke & Buechner	Books	5.26
23	American Medical Association	Book	5.00
29	Journal Compilation Medical and Veterinary Archives.	Books	6.00
	S. H. Smith	Woodworker, 3 vols	3.00
May 13	G. E. Stechert	Books	11.76
	R. R. Bowker	Literary index	3.50
	L. M. Underwood	Book	3.00
20	Library Bureau	Rules	1.00
	The Macmillan Co	Book	1.56
	N. W. Ayer & Son	do	5.00
24	Jno. A. Craig	Books	10.00
	Payot, Upham & Co	do	3.00
	C. R. Oreutt	do	1.00
	Lemcke & Buechner	do	3.12
June 11	Statute Law Book Co	do	16.50
14	R. Friedlander & Sohn	Foreign publications	28.40
	Wm. Wesley & Son	Book	1.50
	do	do	6.00
	do	Books	9.60
	Oswald Weigel	do	5.75
	Lemcke & Buechner	do	35.01
	do	do	25.90
	do	do	19.37
18	Wm. Ballantyne & Sons	do	2.70
	Lea Bros. & Co	do	3.50
22	The Lawyers' Cooperative Publishing Co	do	6.00
24	W. H. Lowdermilk & Co	do	78.25
	H. N. Patterson	Cards	22.50
	R. R. Bowker	Catalogues	12.50
	P. Blackiston's Son & Co	Book	3.50
	Lemcke & Buechner	do	38.12
	do	do	46.41

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## LIBRARY—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
June 24	W. H. Lowdermilk & Co .....	Book .....	\$10.20
25	W. F. Porter .....	do .....	7.00
	Total fourth quarter .....		566.00
	Supplemental.		
July 2	Lyon, Kymer & Palmer Co .....	Book .....	1.08
8	National Railway Publishing Co .....	Subscription .....	5.00
	The Spanish-American Directories Co .....	Directory, West Indies .....	5.00
	Orange Judd Co .....	Books .....	1.50
9	Woodward & Lothrop .....	do .....	87.08
23	William Wesley & Son .....	do .....	50.00
	Lemcke & Buechner .....	Periodicals .....	20.25
	Library Bureau .....	Labels .....	3.66
24	Brentanos .....	Books .....	6.00
	Thos. Howell .....	do .....	1.00
31	The Sun Printing and Publishing Association.	Subscription .....	8.00
	Saml. D. Craig, jr .....	Binders .....	3.00
Aug. 1	Rand, McNally & Co .....	Atlas .....	7.50
2	R. B. Hough .....	American woods .....	4.00
3	Encina Publishing Co .....	Book .....	3.00
19	California Fruit Grower .....	Subscription .....	2.00
20	Gustav E. Stechert .....	Books .....	2.76
Oct. 10	Lemcke & Buechner .....	do .....	2.20
	do .....	do .....	38.97
	Total supplemental .....		252.00

## RECAPITULATION.

First quarter .....	\$524.69
Second quarter .....	740.31
Third quarter .....	810.41
Fourth quarter .....	566.00
Supplemental .....	252.00
Total .....	2,893.41

## CONTINGENT EXPENSES.

Date.	Name.	Nature of payment.	Total.
1900.			
July 13	Washington City post-office .....	Stamps .....	\$500.00
19	Geo. F. Muth & Co .....	White lead .....	11.90
	R. P. Clarke Co .....	Towels .....	262.75
31	Jas. Halley et al .....	Salaries .....	160.00
Aug. 1	Richd. L. Lamb .....	Pads, etc .....	10.00
	Easton & Rupp .....	Standard Dictionary .....	1.85
	R. C. M. Burton .....	Awnings .....	49.00
	The Maurice Joyce Engraving Co .....	Engraving plates .....	1.50
3	J. P. Nawrath .....	Cotton, twine, etc .....	163.24
	R. P. Clarke Co .....	Feather dusters .....	37.70
	do .....	Nets .....	.50
	The Allegheny Co .....	Coal .....	3.32
	The A. J. Joyce Carriage Co .....	Axle grease, etc .....	30.80
4	David A. Collins .....	Labor .....	72.00
10	H. E. Davison & Co .....	Copying books .....	162.00
	F. H. Lovell & Co .....	Clock .....	7.25
	The Chesapeake Electric Co .....	Key sockets, etc .....	7.90
	Safety Bottle & Ink Co .....	Writing fluid .....	12.00
	N. P. Bush .....	Soap .....	8.70
	Pearre E. Crowl Co .....	Stamp gum .....	59.00
	Eberhard Faber .....	Rubber bands .....	370.15
	Library Bureau .....	Oak cases .....	204.00
	F. Lower .....	Hemming towels .....	3.00
11	Austin Smith .....	Paper .....	92.00
14	D. Frank Parker .....	Typewriter paper .....	314.40
	Thos. Somerville & Sons .....	Bricks and cement .....	75.60
	W. M. Galt & Co .....	Hay .....	40.48
	Jennie T. Thomson .....	Stamping letter heads .....	29.70
	L. S. Depue .....	Oats .....	46.20
	M. Du Perow .....	Electric fans .....	251.10
	do .....	do .....	19.00
	Louis Hartig .....	Horseshoeing .....	19.75
	W. G. Sargent .....	Hose menders .....	5.40
	Capital Traction Co .....	Fare tickets .....	41.50
	The Maurice Joyce Engraving Co .....	Engraving plates .....	3.00
	B. B. Ernschaw & Bro .....	Rye straw .....	15.22
	National Electric Supply Co .....	Fuse wire, etc .....	5.35



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Aug. 14	Rudolph, West & Co .....	Hardware .....	\$150.86
	do .....	do .....	38.50
	do .....	Hose, etc .....	33.08
	R. Carter Ballantyne .....	Pens, baskets, etc .....	72.46
	Z. D. Gilman .....	Naphtha, in cans .....	1.00
20	H. E. Hooper .....	Century atlases .....	35.00
	Manhattan Electric Supply Co. ....	Duplex office wire .....	5.00
21	Washington Gaslight Co. ....	Gas .....	16.80
	United States Electric Lighting Co. ....	Electric lighting .....	108.55
	National Mortar Co. ....	Mortar .....	4.00
24	Jno. C. Parker .....	Stationery .....	739.95
	The McDermott Carriage Co. ....	Repairs to carriage .....	82.25
25	W. H. Lacy .....	Plastering, etc .....	16.50
	Jno. D. Frazee .....	Washing towels .....	21.44
	The J. C. Ergood Co. ....	Soap .....	64.00
	S. P. Johnson .....	Typewriter cabinet .....	23.75
	C. Becker .....	Repairing harness .....	46.80
	Hugh Reilly .....	Oils, paints, etc .....	7.35
29	H. O. Wilber .....	Asbestos covering .....	3.60
31	Jas. Halley et al. ....	Salaries .....	160.00
Sept. 12	William Lewis .....	Recaning chairs .....	1.00
5	Jas. Wilson .....	Traveling expenses .....	24.50
	The McDermott Carriage Co. ....	Carriage hire .....	7.20
	American Ice Co. ....	Ice .....	107.52
7	Z. D. Gilman .....	Horse medicine .....	1.25
	Ernest Betz .....	Ventilation and repairing .....	17.00
	B. B. Earnshaw & Bro. ....	Bran and straw .....	15.57
	Church & Stephenson .....	Lumber .....	94.98
	Wyckoff, Seamans & Benedict .....	Repairing typewriter .....	29.54
	L. S. Depue .....	Oats .....	69.30
	W. M. Galt & Co. ....	Hay .....	33.00
	Eberhard Faber .....	Erasers .....	8.64
	United States Envelope Co. ....	Envelopes .....	35.70
	Library Bureau .....	Book stacks, etc .....	102.50
	Geo. Meier & Co. ....	Bronze .....	10.50
12	United States Electric Lighting Co. ....	Electric current .....	111.35
	Washington Gaslight Co. ....	Gas .....	17.70
	C. Becker .....	Stable supplies .....	13.02
	W. B. Moses & Sons .....	Rug and desk .....	31.55
	Jno. P. Turner .....	Services .....	5.00
15	Arthur Arrington .....	Fire extinguishers .....	90.00
17	The Tablet and Ticket Co. ....	Figures .....	.30
	J. H. Bunnell & Co. ....	Cards .....	12.75
	Eberhard Faber .....	Bands .....	4.00
	American Ice Co. ....	Ice .....	121.98
	Chas. Becker .....	Oil and paint .....	67.47
	Chas. R. Edmonston .....	Glasses, etc .....	13.55
	Jas. B. Lambie .....	Rasps, etc .....	10.16
18	C. S. Braisted .....	Pencils .....	60.51
	Mittag & Volger .....	Carbon paper .....	37.20
19	Rudolph, West & Co. ....	Envelope openers, etc .....	10.99
21	Capital Traction Co. ....	Fare tickets .....	41.50
	W. B. Moses & Sons .....	Desks and tables .....	498.20
	do .....	Matting, etc .....	81.55
22	Johnson Bros. ....	Coal .....	1,409.96
	do .....	Coal and wood .....	283.49
	Geo. W. Hill .....	Traveling expenses .....	15.18
24	W. B. Moses & Sons .....	Desks, etc .....	122.50
	Chas. Becker .....	Glazier diamond .....	3.50
	Thos. Somerville & Sons .....	Pipe fitting, etc .....	78.21
	Library Bureau .....	Oak base .....	22.00
	do .....	Cards .....	19.20
	United States Envelope Co. ....	Envelopes .....	326.20
29	Jas. Halley et al. ....	Salaries .....	236.00
	Total first quarter .....		9,031.37
Oct. 1	R. Carter Ballantyne .....	Pens .....	8.20
	Jno. D. Frazee .....	Washing towels .....	24.11
	The Oliver Typewriter Co. ....	Repairing typewriter .....	2.00
	Mackall Bros .....	Camphor .....	10.50
2	Hugh Reilly .....	Paints .....	5.67
	E. F. Vermillion .....	Inspecting boilers .....	20.00
3	I. P. Roosa .....	Services .....	75.00
4	Eberhard Faber .....	Bands .....	91.40
	F. H. Lovell & Co. ....	Clock .....	1.62
	The Chesapeake Electric Co. ....	Electric supplies .....	7.54
8	Washington City post-office .....	Stamps .....	500.00
10	Chas. Becker .....	Oil .....	6.15
	S. P. Johnson .....	Typewriter, repairs to .....	5.00
	L. S. Depue .....	Oats .....	46.20
	D. F. Parker .....	Typewriter ribbons .....	13.50

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 10	W. M. Galt & Co .....	Hay .....	\$83.00
12	C. A. Joerissen .....	Cylinder for typewriter .....	2.75
	S. P. Johnson .....	Typewriters .....	120.00
	M. Du Perow .....	Electric fans .....	64.40
	Mackall Bros .....	Roach paste .....	4.95
	Instantaneous Fire Alarm Co .....	Rent of boxes .....	15.00
	Jno. D. Frazee .....	Washing towels .....	21.44
	American Ice Co .....	Ice .....	99.17
15	H. C. Roberts Electric Supply Co .....	Holders and tube .....	2.70
	The Okonite Co .....	Wire .....	12.50
16	Rudolph, West & Co .....	Hooks, etc. .....	19.93
	Wm. Murray & Son .....	Roachchain .....	15.00
	United States Electric Lighting Co .....	Lights and fans .....	91.53
	Washington Gaslight Co .....	Gas .....	17.30
20	Church & Stephenson .....	Lumber .....	61.10
	United States Electric Lighting Co .....	Lamps .....	10.00
	R. C. M. Burton .....	Awnings .....	12.00
	The Andrew J. Joyce Carriage Co .....	Repairing surrey .....	19.10
	Ernest Betz .....	Repairs .....	15.50
	D. Frank Parker .....	Stencil paper, etc. ....	345.00
	Thos. Somerville & Sons .....	Tank, etc. ....	5.35
24	Southern Railway Co .....	Passenger transportation .....	15.30
	Jno. C. Parker .....	Cabinet, stationery supplies, etc .....	498.06
25	W. P. Cutter .....	Traveling expenses .....	15.90
20	Geo. F. Muth & Co .....	Turpentine, etc. ....	33.69
	do .....	Paints .....	1.80
	Postal Telegraph Cable Co .....	Telegraph service .....	10.07
	W. H. Rupp, agent .....	Envelopes .....	164.00
	do .....	Pen .....	4.00
	The J. C. Ergood Co .....	Pearline .....	17.25
	Fred A. Schmidt .....	Ink .....	8.85
	The Maurice Joyce Engraving Co .....	Engraving autographs .....	2.50
	National Electric Supply Co .....	Binding posts .....	1.71
	Geo. F. Muth & Co .....	Lead, varnish, etc. ....	61.68
31	Jas. Halley et al .....	Salaries .....	227.50
Nov. 1	S. P. Johnson .....	Typewriter .....	60.00
	U. S. Engraving and Stamp Works .....	Material for rubber stamps .....	15.75
2	J. P. Nawrath .....	Sponge .....	14.00
	The Burnet Co .....	Batteries .....	17.50
	Library Bureau .....	Furniture .....	60.00
	The Chesapeake Electric Co .....	Tubing .....	4.25
	J. H. Bunnell & Co .....	Lamp cord .....	8.75
	United States Envelope Co .....	Envelopes .....	19.60
	The Chesapeake and Potomac Telephone Co .....	Telephone service .....	60.39
	do .....	do .....	15.00
	do .....	do .....	7.08
3	R. P. Clarke Co .....	Whisk brooms .....	10.00
8	B. B. Earnshaw & Bro. ....	Bran .....	.83
15	L. L. Karns .....	2 bay horses .....	425.00
	J. H. Brigham .....	Traveling expenses .....	529.25
17	Rudolph, West & Co .....	Locks, etc. ....	45.99
20	F. H. Lovell & Co .....	Clocks .....	2.43
	Jno. D. Frazee .....	Washing towels .....	25.70
	Wm. J. Zeh .....	Coal .....	26.76
	R. P. Clarke Co .....	Dusters .....	16.38
21	B. B. Earnshaw & Bro. ....	Feed .....	16.28
	H. C. Roberts Electric Supply Co .....	Cells, shades, etc. ....	33.00
	M. Du Perow .....	Electric supplies .....	9.65
	American Ice Co .....	Ice .....	88.99
24	Jno. R. Galloway .....	Annunciator .....	6.00
27	U. S. Electric Lighting Co .....	Lights and fans .....	61.78
	Washington Gaslight Co .....	Gas .....	22.10
	The Maurice Joyce Engraving Co .....	Plates for stamp factory .....	1.00
30	Jas. Halley et al .....	Salaries .....	300.50
Dec. 1	Johnson Bros .....	Wood, etc. ....	147.07
3	Library Bureau .....	Case, etc. ....	68.50
	do .....	Cards .....	9.50
	The Carter's Ink Co .....	Ink .....	17.00
	F. H. Lovell & Co .....	Clock .....	7.25
	Pearre E. Crowl Co .....	Rubber stamps .....	54.00
	W. M. Galt & Co .....	Hay .....	38.28
	D. Frank Parker .....	Typewriter ribbons .....	24.25
	Wyckoff, Seamans & Benedict .....	Repairs to typewriter .....	39.95
	Florence Lower .....	Hemming towels .....	1.00
5	The Hartman Printing Co .....	Rent of directory .....	.75
	W. B. Moses & Sons .....	Furniture, etc. ....	303.19
	do .....	do .....	412.28
6	Jas. S. Barron & Co .....	Oil, etc. ....	9.25
	United States Envelope Co .....	Envelopes .....	38.90
	Chas. Becker .....	Oil .....	33.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900. Dec. 6	Hugh Reilly	Paints	\$8.56
	Church & Stephenson	Lumber	67.00
	H. O. Wilbur	Pipe covering	2.16
	The Allegheny Co.	Coal	20.09
	Z. D. Gilman	Arnica	2.00
	M. Du Perow	Dials, brackets, etc.	14.60
	L. S. Depue	Oats	46.20
11	The Andrew J. Joyce Carriage Co.	Carriage grease, etc.	2.25
	William Lewis	Caning chairs	1.00
14	Eberhard Faber	Pencils and erasers	159.24
	The Hahn Manufacturing Co.	Shoes for horses	18.75
	D. Frank Parker	Typewriter paper	92.70
17	Mackall Bros.	Soap	3.35
	Rudolph, West & Co.	Zinc, shears, etc.	67.40
	Church & Stephenson	Lumber	87.71
	do.	do.	32.40
	R. Carter Ballantyne	Stationery supplies	17.65
	M. Du Perow	Dials	2.50
	Wyckoff, Seamans & Benedict	Letter paper	72.60
	Leidy S. Depue	Oats	46.20
	Fred. A. Schmidt	Ink	6.75
18	Ernest Betz	Repairing roof, etc.	96.74
19	American Ice Co.	Ice	63.39
	James S. Topham	Mail bags	13.50
	H. J. Webber	Traveling expenses	32.20
20	Clark & Davenport	Carpet, etc.	84.39
	The Chesapeake Electric Co.	Desk buttons	1.11
21	United States Electric Lighting Co.	Lights and fans	63.86
	Washington Gaslight Co.	Gas	25.20
	The Andrew J. Joyce Carriage Co.	Repairs to carriage	127.50
26	John D. Frazee	Washing towels	27.08
29	Wm. H. Rupp, agent	Envelopes	148.75
	Thos. Somerville & Sons	Repairs, etc.	10.78
	The Maurice Joyce Engraving Co.	Engraving	2.50
31	James Halley et al	Salaries	279.75
	Total second quarter		7,725.96
1901. Jan. 2	Southern Rwy. Co.	Passenger transportation	15.30
	Baltimore and Ohio R. R. Co.	do	10.00
3	Washington city post-office	Stamps	500.00
5	Johnson Bros.	Fuel	602.27
	W. M. Galt & Co.	Hay	34.77
	The Hammond Typewriter Co.	Repairing typewriters	15.00
	Leidy S. Depue	Feed	25.60
	Phillip Lindemeyer	Ink	16.02
	M. P. Bush	Soap	30.00
	United States Envelope Co.	Envelopes	32.90
7	Hugh Reilly	Paint and glass	12.91
	Church & Stephenson	Lumber	52.75
	Johnson Bros.	Coal	440.19
	Jno. R. Galloway	Annunciator	6.00
	The Capital Traction Co.	Car tickets	41.50
	United States Express Co.	Transportation	6.65
11	D. Frank Parker	Typewriter paper, etc.	101.25
	Jno. C. Parker	Pencil pointer	3.50
12	Instantaneous Fire Alarm Co.	Rent boxes	15.00
14	I. P. Roosa	Services	75.00
	Chas. R. Edmonston	Buckets and cooler	1.00
	W. H. Butler	Paint-shop supplies	2.25
	Rudolph, West & Co.	Hardware	15.94
	Z. D. Gilman	Sponges	4.95
	Jno. C. Parker	Stationery supplies	1,142.23
11	Washington Branch, Hammond Type- writer Co.	Repairing typewriter	15.00
	United States Electric Lighting Co.	Lights, etc.	73.76
	American Ice Co.	Ice	59.95
	Washington Gaslight Co.	Gas	27.40
	United States Electric Lighting Co.	Lights in building	10.00
18	Richard S. Lamb	Pads	4.75
	Wm. H. Rupp	Excelsior journal	3.00
	W. B. Moses & Sons	Furniture, etc.	567.47
	Albert Kahrlt & Co.	Cleaning rugs, etc.	80.69
	Fred. A. Schmidt	Ruling pens	6.72
	Washington Branch, Hammond Type- writer Co.	Repairing typewriter	15.00
	Jas. B. Lambie	Hardware	36.04
19	J. B. Kendall	Pads	12.00
	R. P. Clarke Co.	Dusters, etc.	33.28
	United States Engraving and Stamp Works	Daters	25.50
	Safety Bottle and Ink Co.	Ink	12.25
21	Jno. Underwood & Co.	do	3.00



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Jan. 21	Eberhard Faber.....	Bands.....	\$32.40
	United States Envelope Co.....	Envelopes.....	13.83
	Library Bureau.....	Index guides.....	1.15
	Phillip Lindemeyr.....	Stamp ink.....	6.00
	C. S. Braisted.....	Pencils.....	35.24
22	The Geo. W. Knox Express Co.....	Transportation.....	1.10
	do.....	do.....	1.41
	Jno. C. Parker.....	Record paper, etc.....	100.57
	The Chesapeake and Potomac Telephone Co.....	Changing telephone.....	1.95
	Capital Traction Co.....	Car tickets.....	41.50
	Thos. Somerville & Sons.....	Marble slabs.....	16.38
	Hugh Reilly.....	Glass.....	9.10
	The Andrew J. Joyce Carriage Co.....	Repairs to carriage.....	26.00
	do.....	do.....	6.50
24	Grafton & Sons.....	Repairing roofs.....	161.50
	do.....	Repairing gutters, etc.....	39.97
	do.....	Tinning.....	36.80
	Thos. W. Smith.....	Doors.....	6.60
	Cleveland Cycle Co.....	Repairing bicycle.....	7.45
	Jno. C. Parker.....	Letter press.....	22.72
	R. Carter Ballantyne.....	Pins and wastebaskets.....	28.05
	Pearre E. Crowl Co.....	Stamp rubber, etc.....	55.56
	J. H. Brigham.....	Traveling expenses.....	17.00
26	Hugh Reilly.....	Glass.....	6.50
	Orient Cycle Co.....	Bicycle.....	33.00
	The Maurice Joyce Engraving Co.....	Engraving autographs.....	2.00
	Burrelle's Press Clipping Bureau.....	Clippings.....	3.50
29	The Allegheny Co.....	Coal.....	26.62
30	Smithsonian Institution.....	Transportation exchanges.....	41.20
31	Jas. Halley et al.....	Salaries.....	244.10
Feb. 2	Johnson Bros.....	Coal.....	705.17
	Library Bureau.....	Case and cards.....	27.00
	Louis Hartley.....	Horseshoes, etc.....	13.26
5	Wm. H. Rupp.....	Fountain pens.....	4.00
6	Southern Rwy. Co.....	Passenger transportation.....	27.50
	Leidy S. Depue.....	Feed.....	48.70
8	C. Becker.....	Stable supplies.....	55.36
	Standard Oil Co.....	Oil.....	27.61
	W. M. Galt & Co.....	Hay.....	33.00
11	Jno. Reynders & Co.....	Stable supplies.....	5.00
	The Carters Ink Co.....	Ink and mucklage.....	18.60
	Bates Manufacturing Co.....	Ink.....	9.00
	M. Du Perow.....	Electric supplies.....	1.40
	American Ice Co.....	Ice.....	54.10
12	W. B. Moses & Sons.....	Furniture.....	91.85
	do.....	Desk.....	28.00
	The Strowger Automatic Telephone Ex- change.....	Rent.....	3.00
	The Chesapeake Electric Co.....	Electric supplies.....	1.45
	Library Bureau.....	Cards.....	.60
	United States Envelope Co.....	Envelopes.....	11.88
	The Chesapeake and Potomac Telephone Co.....	Telephone rent.....	15.00
	do.....	do.....	7.00
	do.....	Telephone service.....	62.50
13	Johnson Bros.....	Wood.....	137.54
	do.....	Coal.....	486.37
	R. P. Clarke Co.....	Whisk brooms.....	12.00
	Standard Oil Co.....	Benzine and can.....	1.15
	Church & Stephenson.....	Lumber.....	97.93
14	Richard L. Lamb.....	Stencil plate, etc.....	.55
	The Smith Premier Typewriter Co.....	Repairs to typewriter.....	7.50
18	S. P. Johnson.....	do.....	2.25
	Jennie T. Thomson.....	Embossing.....	65.70
	Hugh Reilly.....	Glass and glue.....	5.45
20	J. H. Brigham.....	Traveling expenses.....	23.73
	Jno. D. Frazee.....	Washing towels.....	22.66
	do.....	do.....	28.19
21	D. Frank Parker.....	Typewriter ribbons.....	63.00
	Chas. Becker.....	Oil finish, etc.....	42.30
	Jno. C. Parker.....	Typewriter desk, etc.....	50.50
23	Postal Telegraph Cable Co.....	Telegraph service.....	30.65
	Western Union Telegraph.....	do.....	12.58
26	Hugh Reilly.....	Glass.....	3.85
	Geo. F. Muth & Co.....	Painting materials.....	65.67
	Harris & Shafer Co.....	Repairing clocks, etc.....	11.10
	Wm. H. Rupp.....	Fountain pen.....	4.00
	Thos. Somerville & Sons.....	Hardware.....	19.90
	Z. D. Gilman.....	Prescription.....	1.00
	do.....	Naphthaline.....	1.00
	Rudolph, West & Co.....	Nails, etc.....	6.28
	United States Electric Lighting Co.....	Electric current, etc.....	82.90
	Washington Gaslight Co.....	Gas.....	30.70

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Feb. 27	Adams Express Co	Transportation	\$6.91
28	United States Envelope Co	Envelopes	11.88
	J. H. Bunnell & Co	Lamp cord	8.75
	Jas. Halley et al	Salaries	241.59
Mar. 1	Mackall Bros	Soap, etc	20.95
	W. B. Moses & Sons	Furniture, etc	40.36
5	Capital Traction Co	Car tickets	41.50
	Johnson Bros	Coal and wood	960.31
8	Chas. E. Hodgkin	Plate glass counter	27.00
13	C. Becker	Hoof packing	4.27
	W. M. Galt & Co	Hay	36.80
	National Electrical Supply Co	Sockets	2.40
	Jno. C. Parker	Bookcase	20.35
	L. S. Depue	Feed	48.70
14	Rudolph, West & Co	Hardware, etc	15.39
	The Geo. W. Knox Express Co	Transportation	2.00
18	Eberhard Faber	Bands	99.52
	H. Kohnstamm & Co	Ink	3.00
	United States Engraving and Stamp Works	Material for rubber stamps	4.05
	C. Becker	Stable supplies	24.98
	Richard L. Lamb	Daters and date bands	7.40
	D. Frank Parker	Typewriter paper, etc	94.50
	J. B. Perkins	Horses	225.00
	American Ice Co	Ice	46.35
19	B. B. Earnshaw & Bro	Feed, etc	16.91
	The A. J. Joyce Carriage Co	Repairs to carriage	2.00
	M. Du Perow	Speaking tubes	.90
	J. T. Thomson	Stamping	7.00
	Thos. Somerville & Sons	Pipe fittings, etc	105.10
20	Burrelle's Press Clipping Bureau	Clippings	2.98
23	R. Carter Ballantyne	Stationery supplies	109.22
	Jno. S. P. Green	Wall paper	73.50
	P. H. Heiskell, jr., & Co	Harness	50.00
	Adams Bros	Ventilator elbows	1.00
25	Jno. C. Parker	Pencil pointers, etc	2.40
	The Chesapeake and Potomac Telephone Co	Moving telephone	.30
	Washington Gaslight Co	Gas	28.00
	United States Electric Lighting Co	Electric current	63.64
30	Jas. Halley et al	Salaries	380.10
	Total third quarter		10,624.03
Apr. 1	Jno. C. Parker	Stationery supplies	699.61
	Louisville and Nashville R. R. Co	Passenger transportation	9.17
2	Jas. B. Lambie	Hardware	15.79
	The Allegheny Co	Coal	3.32
	C. A. Schneider's Sons	Cover for vault	5.00
	Richd. L. Lamb	Ink	11.50
3	Burrelle's Press Clipping Bureau	Clippings	2.40
	The Hahn Manufacturing Co	Horseshoes	11.25
	I. P. Roosa	Services	75.00
9	Ernest Betz	Ventilators	3.50
	do	Repairs	34.58
	Cleveland Cycle Co	Repairing bicycle	.75
10	The J. C. Ergood Co	Pearline	17.25
	Rudolph, West & Co	Brushes, etc	24.45
	S. P. Johnson	Repairing typewriter	5.00
	L. S. Depue	Feed	48.70
	W. H. Veerhoff	Molding	4.80
	W. B. Moses & Sons	Furniture	170.50
	W. M. Galt & Co	Hay	28.88
	Church & Stephenson	Lumber	182.27
	do	do	13.77
11	Thos. W. Smith	do	2.52
12	Valley Paper Co	Paper	65.00
16	Library Bureau	Cabinet cases, etc	168.00
	Jno. C. Parker	Clips	86.40
	do	Cabinet, etc	45.39
	Rudolph, West & Co	Dumb waiter	59.50
	Mackall Bros	Soap, etc	110.53
	do	Matches	3.36
	Capital Traction Co	Fare tickets	41.50
17	American Ice Co	Ice	53.63
19	Geo. F. Lasher	Postal Guides	25.00
	The Strowger Automatic Telephone Ex- change	Telephone rent	1.50
	Instantaneous Fire Alarm Co	Rent of alarm box	15.00
20	United States Electric Lighting Co	Lighting grounds	11.00
	do	Lights, etc	78.06
	Washington Gaslight Co	Gas	32.80
	Estler Bros. & Co	Matches	1.65
22	Johnson Bros	Wood	132.25

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Apr. 22	Johnson Bros .....	Coal .....	\$941.77
	Manhattan Electric Supply Co. ....	Pliers .....	1.30
	F. H. Lovell & Co .....	Clocks .....	14.50
	Richd. L. Lamb .....	Stamp, ink, etc .....	18.65
	Louis Hartig .....	Horseshoes .....	4.25
	Jas. B. Lambie .....	Hardware for blacksmith shop .....	5.37
	Thos. Somerville & Sons .....	Plumbing materials .....	173.93
	The Pullman Co .....	Passenger transportation .....	8.50
	The New York, New Haven and Hartford R. R. Co. ....	do .....	4.25
24	Wyckoff, Seamans & Benedict .....	Repairing typewriter .....	57.55
	C. Becker .....	Stable supplies .....	31.75
	H. C. Davison & Co .....	Copying books .....	81.60
	Rand, McNally & Co .....	Maps .....	18.00
26	Burrelle's Press Clipping Bureau .....	Clippings .....	2.70
27	I. P. Roosa .....	Expenses .....	114.81
	United States Express Co .....	Transportation .....	7.02
	Adams Express Co .....	do .....	8.61
30	Jas. Halley et al .....	Salaries .....	367.10
May 1	Wm. J. Zeh .....	Coal .....	5.39
	W. B. Moses & Sons .....	Chairs .....	5.60
	do .....	Mirrors .....	2.00
	J. T. Thomson .....	Stamping .....	14.88
	Ernest Betz .....	Tinning .....	10.18
2	Washington City post-office .....	Stamps .....	500.00
	Smith Premier Typewriter Co .....	Repairs to typewriter .....	8.70
3	The Chesapeake and Potomac Telephone Co	Telephone rent .....	62.50
	do .....	do .....	15.00
	do .....	do .....	7.00
	do .....	do .....	5.28
	do .....	Telephone call .....	.10
4	R. P. Clarke & Co .....	Tape .....	5.37
8	Western Union Telegraph Co .....	Telegraph service .....	4.89
	do .....	do .....	7.64
13	Burrelle's Press Clipping Bureau .....	Clippings .....	2.50
	Richd. L. Lamb .....	Rubber stamp pad .....	2.25
	H. C. Roberts Electric Supply Co .....	Batteries .....	10.00
16	United States Electric Lighting Co .....	Electric lights .....	63.43
	American Ice Co .....	Ice .....	59.59
	The A. J. Joyce Carriage Co .....	Repairs to carriage .....	58.25
	Chas. Becker .....	Oil .....	15.00
	L. S. Depue .....	Oats .....	46.20
	Jas. B. Lambie .....	Packing and nails .....	8.55
	W. M. Galt & Co .....	Hay .....	36.05
	D. Frank Parker .....	Typewriter, paper, etc .....	105.30
17	Rudolph, West & Co .....	Scissors .....	29.67
	Jno. D. Frazee .....	Washing towels .....	85.59
20	J. P. Nawrath .....	Sponges .....	7.00
24	Library Bureau .....	Cards, etc .....	59.20
	F. H. Lovell & Co .....	Clock .....	.81
27	Church & Stephenson .....	Lumber .....	30.00
28	Western Union Telegraph Co .....	Service .....	2.57
	do .....	do .....	3.38
	do .....	do .....	3.15
	do .....	do .....	2.73
	do .....	do .....	4.87
	R. P. Clarke Co .....	Feather dusters .....	13.70
	W. H. Rupp, agent .....	Envelopes .....	8.20
	W. B. Moses & Sons .....	Leather cushions .....	4.50
	The A. J. Joyce Carriage Co .....	Axle grease .....	1.50
	The Allegheny Co .....	Coal .....	16.67
	Thos. Somerville & Sons .....	Basins, etc .....	10.08
31	Jas. Halley et al .....	Salaries .....	161.80
June 3	W. H. Rupp .....	Cards, etc .....	6.00
	W. H. Dyer .....	Molding .....	2.00
	United States Envelope Co .....	Envelopes .....	7.74
	Wyckoff, Seamans & Benedict .....	Repairs to typewriter .....	4.40
	do .....	do .....	2.35
	B. B. Ernschaw & Bro .....	Straw and bran .....	32.12
4	R. P. Clarke Co .....	Towels .....	17.00
	Geo. F. Muth & Co .....	Lead, japan, etc .....	28.63
	R. Carter Ballantyne .....	Pens, etc .....	10.27
	Washington Gaslight Co .....	Gas .....	27.30
	Josephine Clark .....	Traveling expenses .....	12.00
5	W. B. Moses & Sons .....	Chairs, etc .....	20.04
	Capital Traction Co .....	Fare tickets .....	20.75
14	Adams Express Co .....	Transportation .....	8.28
	The Smith Premier Typewriter Co .....	Repairs to typewriter .....	.50
	Burrelle's Press Clipping Bureau .....	Clippings .....	1.94
18	J. H. Burnell & Co .....	Silk cord .....	8.75
	Ledy S. Depue .....	Oats .....	23.10
	C. Becker .....	Supplies .....	39.35



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
June 18	The Maurice Joyce Engraving Co.....	Engraving.....	\$1.50
	American Ice Co.....	Ice.....	71.53
19	W. M. Galt & Co.....	Hay.....	36.96
	Johnson Bros.....	Wood.....	79.35
21	Thos. W. Smith.....	Molding.....	.96
	Ernest Betz.....	Repairs.....	4.25
	Johnson Bros.....	Coal.....	352.50
	Western Union Telegraph Co.....	Service.....	16.61
22	Charles Grose.....	Caning chairs.....	.85
	Harris & Shafer Co.....	Repairing clock.....	1.60
	R. C. M. Burton.....	Putting up awnings.....	38.00
25	Jas. K. Taylor.....	Traveling expenses.....	7.55
	Welsbach Co.....	Lights with glass.....	5.60
	B. B. Ernschaw & Bro.....	Feed.....	16.95
	W. H. Lowdermilk & Co.....	Dictionaries.....	13.40
27	Mackall Bros.....	Camphor.....	3.50
	United States Electric Lighting Co.....	Electric current.....	55.42
	do.....	Use arc lamp.....	7.73
	Washington Gaslight Co.....	Gas.....	22.00
28	Wyckoff, Seamans & Benedict.....	Repairs to typewriter.....	1.50
	Rudolph, West & Co.....	Cuspidors.....	22.76
29	Jas. Halley et al.....	Salaries.....	156.60
	Total, fourth quarter.....		6,856.75
	<i>Supplemental.</i>		
July 2	Blue Line Transfer Co.....	Transportation.....	3.95
	Rand, McNally & Co.....	Maps.....	8.50
6	I. P. Roosa.....	Services.....	75.00
9	The Allegheny Co.....	Coal.....	6.94
	Johnson Bros.....	do.....	23.50
	Instantaneous Fire Alarm Co.....	Box rent.....	15.00
13	The Chesapeake and Potomac Telephone Co.....	Moving telephones.....	5.30
	The Geo. W. Knox Express Co.....	Transportation.....	3.32
16	Journal Newspaper Co.....	Advertising.....	15.00
	Tribune Association.....	do.....	34.00
	Sun Printing and Publishing Association.....	do.....	34.00
	The Washington Post Co.....	do.....	14.30
	do.....	Subscription.....	4.20
17	The Strowger Automatic Telephone Ex- change.....	Rent.....	1.50
19	Washington Gaslight Co.....	Gas.....	19.60
	United States Express Co.....	Transportation.....	4.96
22	United States Electric Lighting Co.....	Current.....	75.33
24	Tribune Co.....	Advertising.....	27.00
	The Smithsonian Institution.....	Transportation.....	12.80
29	W. H. Rupp.....	Bookholder.....	2.50
30	Ledy S. Depue.....	Oats.....	36.30
	The Broadstreet Co.....	Subscription.....	75.00
Aug. 1	Jno. C. Parker.....	Supplies.....	209.39
	Rand, McNally & Co.....	Atlas.....	7.50
2	Burrelle's Press Clipping Bureau.....	Clippings.....	2.72
	G. F. Muth & Co.....	Lead, etc.....	22.50
	Albert Kahlert & Co.....	Cleaning carpets, etc.....	63.22
	Jennie T. Thomson.....	Stamping stationery.....	7.29
	Church & Stephenson.....	Lumber.....	16.90
9	W. B. Moses & Sons.....	Desk and stool.....	20.30
	American Ice Co.....	Ice.....	92.89
10	Chas. E. Edmonston.....	Tumblers, etc.....	20.65
12	Rudolph, West & Co.....	Chamois skins, etc.....	7.40
	The Geo. W. Knox Express Co.....	Transportation.....	2.50
13	Jno. C. Parker.....	Railway Guide.....	5.00
16	Clark & Davenport.....	Carpet, etc.....	68.01
21	The Chesapeake and Potomac Telephone Co.....	Rent.....	97.75
22	Blue Line Transfer Co.....	Transportation.....	3.25
Sept. 7	American Bicycle Co.....	Tire and repairs.....	5.00
Oct. 11	Evening Star Newspaper Co.....	Advertising.....	9.90
	The Times Co.....	do.....	9.90
	The Geo. W. Knox Express Co.....	Transportation.....	2.48
12	Postal Telegraph-Cable Co.....	Service.....	1.63
	Total.....		1,174.18

## RECAPITULATION.

First quarter.....	\$9,031.37
Second quarter.....	7,725.96
Third quarter.....	10,624.03
Fourth quarter.....	6,856.75
Supplemental.....	1,174.18
Total.....	35,412.29

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## ANIMAL QUARANTINE STATIONS.

[1900-1901.]

Date.	Name.	Nature of payment.	Total.
1900.			
July 24	S. R. Burch .....	Traveling expenses .....	\$31.00
Aug. 3	Thos. Hawkins .....	Labor .....	22.50
7	Geo. W. Pope et al. ....	Salaries .....	239.10
	Harry F. Hume .....	Services .....	39.00
	Patk. Dorsey .....	do .....	39.00
	W. H. Wade .....	Salary .....	75.80
10	Conant & Co. ....	Nails .....	46.50
11	Thacher & Ireland .....	do .....	7.95
28	W. C. Pennywitt .....	Traveling expenses .....	36.50
	S. R. Burch .....	do .....	29.20
29	Fred. A. Schmidt .....	Repairs to transit .....	5.00
Sept. 7	Patk. Dorsey .....	Labor .....	39.00
	W. H. Wade .....	Salary .....	75.80
	Harry F. Hume .....	Labor .....	43.50
	Campbell, Morrell & Co. ....	Feed .....	22.47
	Geo. W. Pope .....	Traveling expenses .....	5.02
	Geo. W. Pope et al. ....	Salaries .....	239.10
10	Jno. H. Merselis et al. ....	Purchase of land .....	9,447.00
17	Jas. B. Lambie .....	Nails .....	3.15
	W. C. Pennywitt .....	Traveling expenses .....	11.25
	do .....	Expenses .....	1.60
18	Geo. W. Pope .....	Traveling expenses .....	5.75
22	do .....	Expenses .....	1.15
	Total, first quarter .....		10,466.32
Oct. 5	W. H. Wade .....	Salary .....	73.40
8	Geo. W. Pope et al. ....	Salaries .....	240.45
12	E. B. Jones .....	Traveling expenses .....	3.86
15	Patk. Dorsey .....	Labor .....	34.50
	Harry F. Hume .....	do .....	37.50
23	Geo. W. Pope .....	Traveling expenses .....	1.85
	A. G. G. Richardson .....	do .....	22.06
	Conant & Co. ....	Cement .....	7.95
	do .....	do .....	8.40
	H. J. Harwood .....	Rent of land .....	62.50
24	Pennsylvania R. R. Co. ....	Passenger transportation .....	20.00
29	J. E. Merselis and H. Merselis .....	Purchase of lands .....	4,171.20
	Henry Kesse .....	do .....	996.80
	Albert Brauer .....	do .....	2,000.00
Nov. 1	New York and New Jersey Telephone Co. ....	Telephone service .....	24.00
	Chas. Hubinger .....	Repairing wells .....	13.07
2	Joseph Strudwicke .....	Labor on wells .....	11.25
	Walworth Construction and Supply Co. ....	Repairs to pump .....	4.02
	The Mansfield Plumbing Co. ....	Repairing wells .....	17.80
	R. W. Burrell .....	Pipe .....	5.67
6	Wm. H. Wade .....	Salary .....	75.80
12	A. G. G. Richardson .....	Expenses .....	.75
13	W. C. Pennywitt .....	Traveling expenses .....	14.62
	do .....	Expenses .....	2.70
14	The Garfield Land Association .....	Land rent .....	450.00
	Harry F. Hume .....	Salary .....	40.50
	Patrick Dorsey .....	do .....	34.50
15	Geo. W. Pope et al. ....	Salaries .....	256.00
17	do .....	Traveling expenses .....	2.15
22	The Real Estate and Improvement Co. ....	Rent of land .....	56.25
Dec. 3	Walworth Construction and Supply Co. ....	Oil .....	1.40
	B. F. Smith & Bro .....	Well pipes .....	270.00
	do .....	Pump, etc .....	6.31
7	Geo. W. Pope et al. ....	Salaries .....	248.00
	do .....	Expenses .....	6.38
10	W. H. Wade .....	Salary .....	73.40
11	Harry F. Hume .....	do .....	39.00
14	Patrick Dorsey .....	do .....	25.50
20	Baltimore and Ohio R. R. Co. ....	Passenger transportation .....	10.00
26	Victor A. Norgaard .....	Traveling expenses .....	28.30
	Total, second quarter .....		9,397.82
1901.			
Jan. 2	Jno. R. Mohler .....	Traveling expenses .....	22.65
	Pennsylvania R. R. Co. ....	Passenger transportation .....	10.00
	Elenor Snyder .....	Sale of land .....	6,390.00
	Michl. Growney .....	do .....	2,700.00
	Chas. and Albert Brauer .....	do .....	600.00
3	G. T. Zabriskie .....	Repairs to harness .....	2.55

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## ANIMAL QUARANTINE STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Jan. 3	Maremus Koppenaal.....	Wagon body.....	\$20.00
	Thacher & Ireland.....	Coal.....	8.03
8	Wm. H. Wade.....	Salary.....	75.80
	Geo. W. Pope et al.....	Pay roll.....	256.00
11	W. C. Pennywitt.....	Traveling expenses.....	34.62
	do.....	Expenses.....	31.55
14	Harry F. Hume.....	Salary.....	43.50
18	A. G. G. Richardson.....	Traveling expenses.....	16.72
	Geo. W. Pope.....	do.....	5.64
	do.....	do.....	1.85
	do.....	Expenses.....	.50
19	Wild Bros.....	Stone posts.....	17.43
	J. C. Philbrook.....	Horseshoeing.....	3.00
	The Real Estate and Improvement Co. of Baltimore.....	Land rent.....	56.25
23	H. J. Harwood.....	do.....	62.50
24	A. G. G. Richardson.....	Expenses.....	5.32
	Adolph Kroll.....	Carbolic acid.....	19.50
	The New York and New Jersey Telephone Co.....	Telephone service.....	23.90
30	The Garfield Land Association.....	Land rent.....	450.00
Feb. 1	The J. A. Van Winkle Co.....	Glass, lead, etc.....	11.05
6	Baltimore and Ohio R. R. Co.....	Passenger transportation.....	20.00
7	G. W. Pope et al.....	Pay roll.....	261.80
8	W. H. Wade.....	Salary.....	77.50
16	Geo. W. Pope.....	Traveling expenses.....	2.45
	Harry F. Hume.....	Salary.....	46.50
21	Geo. W. Pope.....	Expenses.....	10.92
	R. J. O'Brien.....	Feed.....	33.10
27	Fauth & Co.....	Repairing transit.....	28.75
Mar. 8	W. H. Wade.....	Salary.....	70.00
	Harry F. Hume.....	do.....	56.00
12	Geo. W. Pope et al.....	Pay roll.....	236.40
16	do.....	Traveling expenses.....	2.46
20	Walworth Construction and Supply Co.....	Valves.....	4.25
30	G. H. Parks.....	Salary.....	120.60
	Total, third quarter.....		11,839.09
Apr. 1	Baltimore and Ohio R. R. Co.....	Passenger transportation.....	10.00
8	Harry F. Hume.....	Labor.....	52.00
	Wm. H. Wade.....	do.....	77.50
	Geo. W. Pope et al.....	Pay roll.....	261.80
12	do.....	Expenses.....	3.02
13	A. G. G. Richardson.....	do.....	2.60
	do.....	Traveling expenses.....	22.13
19	H. J. Harwood.....	Rent land.....	62.50
	The Garfield Land Association.....	do.....	450.00
	The Real Estate and Improvement Co. of Baltimore.....	do.....	56.25
23	The Press Printing and Publishing Co.....	Advertising.....	2.25
25	The New York and New Jersey Telephone Co.....	Telephone service.....	21.25
29	John Robinson.....	Repairing fences.....	22.50
30	G. H. Parks.....	Salary.....	115.40
May 3	Wm. H. Wade.....	do.....	74.20
8	Harry F. Hume.....	do.....	52.00
9	Conant & Co.....	Cement and putty.....	5.75
	Geo. W. Pope et al.....	Pay roll.....	351.17
16	do.....	Expenses.....	1.00
	do.....	Traveling expenses.....	9.57
	do.....	Expenses.....	.81
24	Warnaar & Van Der Hornven.....	Painting, etc.....	50.00
	Walworth Construction and Supply Co.....	Iron.....	2.71
28	G. H. Parks.....	Traveling expenses.....	11.90
31	do.....	Salary.....	119.20
June 4	Pennsylvania R. R. Co.....	Passenger transportation.....	10.00
	do.....	do.....	10.00
7	Wm. H. Wade.....	Salary.....	76.60
	Geo. W. Pope et al.....	Salaries.....	685.47
12	Geo. W. Pope.....	Traveling expenses.....	6.41
	do.....	Expenses.....	.81
	do.....	do.....	3.75
	do.....	do.....	5.00
	Harry F. Hume.....	Salary.....	52.00
14	R. W. Burrell.....	Pipe.....	11.50
	David Tuers.....	Drilling well.....	210.63
21	The David Henry Building Co.....	Barn, Athenia, N. J.....	5,073.55
22	J. C. Philbrook.....	Horseshoeing.....	4.00
	The J. A. Van Winkle Co.....	Tools.....	11.51



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## ANIMAL QUARANTINE STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
June 22	Chas. Hubinger.....	Tools.....	\$29.90
25	Pennsylvania R. R. Co.....	Transportation.....	4.43
	Total, fourth quarter.....		8,033.07
	<i>Supplemental.</i>		
July 5	G. H. Parks.....	Traveling expenses.....	5.04
8	W. H. Wade.....	Salary.....	74.20
	Harry F. Hume.....	do.....	56.00
10	Geo. W. Pope et al.....	Salaries.....	706.45
	do.....	Traveling expenses.....	9.02
13	The David Henry Building Co.....	Barns at Athenia, N. J.....	7,894.52
16	Evening News Publishing Co.....	Advertising.....	6.60
18	do.....	do.....	7.20
	do.....	do.....	5.10
20	Press Printing and Publishing Co.....	do.....	2.44
	A. G. G. Richardson.....	Traveling expenses.....	20.63
23	Geo. W. Pope.....	Expenses.....	6.61
25	A. G. G. Richardson.....	do.....	1.50
	Geo. W. Pope.....	do.....	46.17
31	The David Henry Building Co.....	Work on pump.....	2.80
	The Anderson Lumber Co.....	Pipe and traps.....	20.61
	The New York and New Jersey Telephone Co.....	Service.....	24.45
	Chas. Hubinger.....	Hardware.....	11.96
	The A. J. VanWinkle Co.....	Pipe fittings.....	7.49
	H. J. Harwood.....	Rent land.....	62.50
	The Real Estate and Improvement Co.....	do.....	56.25
Aug. 3	Jas. K. Kerr, jr.....	Traveling expenses.....	39.75
7	Geo. W. Pope.....	Expenses.....	33.00
	Total.....		9,100.29

## RECAPITULATION.

First quarter.....	\$10,466.32
Second quarter.....	9,397.82
Third quarter.....	11,839.09
Fourth quarter.....	8,033.07
Supplemental.....	9,100.29
Total.....	48,836.59

## COLLECTING AGRICULTURAL STATISTICS.

Date.	Name.	Nature of payment.	Total.
1900.			
July 20	Washington city post-office.....	Stamps.....	\$80.00
31	A. G. Rice et al.....	Salaries.....	4,242.77
Aug. 1	B. C. White.....	Salary.....	156.00
3	Edwin S. Holmes, jr.....	do.....	195.00
	E. T. Peters.....	do.....	52.50
11	L. C. Dorgan, jr.....	Services.....	25.00
	L. M. Erskine.....	do.....	50.00
	W. H. Pleasants.....	do.....	20.00
	Henry Hawkins.....	do.....	20.00
	C. Bollinger.....	do.....	25.00
	W. O. H. Shepard.....	do.....	20.00
13	B. C. White.....	Traveling expenses.....	119.34
18	Jno. L. Cantwell.....	Services.....	20.00
22	E. S. Holmes, jr.....	Traveling expenses.....	159.72
27	Jno. C. Parker.....	Record paper.....	62.50
31	A. G. Rice et al.....	Salaries.....	4,057.03
Sept. 4	B. C. White.....	Salary.....	162.00
5	E. S. Holmes, jr.....	do.....	202.50
	E. T. Peters.....	do.....	161.00
	B. C. White.....	Traveling expenses.....	79.20
7	The Journal of Commerce and Commercial Bulletin.....	Yearbook, Vol. V.....	1.25
15	Henry Hawkins.....	Salary.....	20.00
	L. M. Erskine.....	do.....	50.00
	W. H. Pleasants.....	do.....	20.00
	L. C. Dorgan, jr.....	do.....	25.00
	Jno. L. Cantwell.....	do.....	20.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Sept. 15	W. O. H. Shepard .....	Salary .....	\$20.00
17	E. S. Holmes, jr .....	Traveling expenses .....	110.15
	Geo. K. Holmes .....	do .....	11.80
21	Houston and Texas Central R. R. Co. ....	Passenger transportation .....	5.60
	Georgia R. R. Co. ....	do .....	3.75
	The Western Rwy. Co. of Alabama .....	do .....	5.25
	Atlanta and West Point R. R. Co. ....	do .....	14.85
22	C. Bollinger .....	Salary .....	25.00
29	Wells W. Miller .....	Services .....	200.00
	Kilbourn Harwood .....	do .....	200.00
	Geo. Husmann .....	do .....	200.00
	Jno. Cownie .....	do .....	200.00
	H. H. Green .....	do .....	175.00
	Levi Chubbuck .....	do .....	175.00
	F. E. Dawley .....	do .....	175.00
	R. W. Furnas .....	do .....	175.00
	P. A. Rogers .....	do .....	175.00
	T. J. Anderson .....	do .....	175.00
	S. Arthur Knapp .....	do .....	165.00
	C. H. Morse .....	do .....	150.00
	R. H. Thomas .....	do .....	150.00
	E. E. Kaufman .....	do .....	150.00
	E. F. Sherbel .....	do .....	150.00
	W. J. Northen .....	do .....	150.00
	Jas. H. Lane .....	do .....	137.50
	H. F. Simrall .....	do .....	137.50
	A. V. R. Snyder .....	do .....	125.00
	H. W. Desgranges .....	do .....	125.00
	J. J. Carley .....	do .....	125.00
	S. S. Shepard .....	do .....	125.00
	W. A. Withers .....	do .....	125.00
	T. H. Reeves .....	do .....	125.00
	W. A. Sherman .....	do .....	115.45
	J. A. Hayden .....	do .....	112.50
	Geo. W. Perry .....	do .....	112.50
	Jas. Shires .....	do .....	112.50
	D. B. Russell .....	do .....	112.50
	Wm. Nelson .....	do .....	100.00
	Homer W. Vail .....	do .....	75.00
	Edwd. Wiggin .....	do .....	75.00
	J. T. Cox .....	do .....	75.00
	J. A. Beal .....	do .....	75.00
	E. C. Hutchinson .....	do .....	75.00
	E. D. Howe .....	do .....	75.00
	C. L. Gold .....	do .....	75.00
	J. A. Tillinghast .....	do .....	75.00
	Jno. J. Rosa .....	do .....	75.00
	A. G. Rice et al .....	Salaries .....	3,806.95
	Total first quarter .....		19,204.61
Oct. 2	Ed. S. Holmes, jr .....	Salary .....	187.50
	B. C. White .....	do .....	150.00
3	E. T. Peters .....	do .....	140.00
5	Carl S. Scofield .....	do .....	40.76
	L. C. Dorgan, jr .....	do .....	25.00
	Jno. L. Cantwell .....	do .....	20.00
	C. Bollinger .....	do .....	25.00
	B. C. White .....	Traveling expenses .....	112.65
	Chicago, Milwaukee and St. Paul Rwy. Co. ....	Passenger transportation .....	53.37
	Great Northern Rwy. Co. ....	do .....	8.96
	Pennsylvania R. R. Co. ....	do .....	8.30
	The Atchison, Topeka and Santa Fe Rwy. Co. ....	do .....	18.95
	do .....	do .....	16.35
	Southern Rwy. Co. ....	do .....	40.00
	Southern Pacific Co. ....	do .....	10.85
	The Wabash R. R. Co. ....	do .....	7.50
	The Lake Shore and Michigan Southern Rwy. Co. ....	do .....	7.00
	Baltimore and Ohio R. R. Co. ....	do .....	12.75
9	Ed. S. Holmes, jr .....	Traveling expenses .....	171.78
16	Rudolph, West & Co .....	Knives .....	1.12
	D. Frank Parker .....	Mimeograph ink and paper .....	21.39
	W. H. Pleasants .....	Salary .....	20.00
	L. M. Erskine .....	do .....	50.00
	W. O. H. Shepard .....	do .....	20.00
	Earl Sloan .....	do .....	75.00
20	Jno. C. Parker .....	Manila paper .....	30.50
24	The Hocking Valley R. R. Co. ....	Passenger transportation .....	3.70
	Chicago, Indianapolis and Louisville Rwy. Co. ....	do .....	5.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 24	Northern Pacific Rwy. Co.....	Passenger transportation .....	\$20.33
	Illinois Central R. R. Co.....	do .....	23.00
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.....	do .....	12.75
26	W. C. Duncan .....	Services .....	200.00
27	J. E. Pennybacker .....	Typewriting .....	2.00
30	Postal Telegraph Cable Co.....	Telegraph services.....	1.00
31	A. G. Rice et al.....	Salaries .....	4,146.88
Nov. 1	E. T. Peters.....	Salary .....	126.28
2	Library Bureau .....	Cards .....	28.00
	The Carter's Ink Co.....	Writing fluid.....	9.00
	The Chesapeake and Potomac Telephone Co.....	Telephone rent.....	6.25
	Western Union Telegraph Co .....	Telegraph service.....	7.11
3	Edw. S. Holmes, jr.....	Salary .....	202.50
	B. C. White .....	do .....	162.00
	C. S. Scofield .....	do .....	84.20
5	Washington city post-office .....	Stamps .....	30.00
6	Houston, East and West Texas Rwy. Co .....	Passenger transportation .....	6.95
	Southern Pacific Co.....	do .....	10.85
	Southern Rwy. Co.....	do .....	17.50
	Missouri, Texas and Kansas Rwy. Co .....	do .....	7.15
	Houston and Texas Central R. R. Co .....	do .....	10.00
	The Chesapeake and Ohio Rwy. Co.....	do .....	17.00
	Michigan Central R. R. Co .....	do .....	5.00
7	W. H. Pleasants .....	Salary .....	20.00
	L. C. Dorgan, jr.....	do .....	25.00
	Jno. L. Cantwell .....	do .....	20.00
	Henry Hawkins .....	do .....	40.00
	L. M. Erskine .....	do .....	50.00
	C. Bollinger .....	do .....	25.00
	Richd. H. Lea .....	do .....	150.00
8	Earl Sloan .....	do .....	25.00
10	B. C. White .....	Traveling expenses .....	97.90
12	E. G. Ward .....	do .....	84.35
13	Edw. S. Holmes, jr.....	do .....	166.85
	W. F. T. Bushnell .....	Services .....	91.26
21	Jno. Hyde .....	Traveling expenses .....	291.60
22	W. O. H. Shepard .....	Salary .....	20.00
26	Jas. L. Morrison .....	Services .....	31.67
27	Wyckoff, Seamans & Benedict .....	Paper .....	64.70
30	A. G. Rice et al.....	Salaries .....	3,920.53
Dec. 1	Daniel E. Morton .....	Salary .....	12.23
	B. C. White .....	do .....	156.00
	Carl S. Scofield .....	do .....	81.60
3	E. Poole .....	Photographs Welland Canal .....	13.30
	D. Frank Parker .....	Typewriter ribbons, etc .....	153.30
	E. T. Peters .....	Salary .....	157.50
	E. S. Holmes, jr.....	do .....	195.00
4	Wyckoff, Seamans & Benedict .....	Repairs to typewriter .....	11.50
5	Chicago and Grand Trunk Rwy. Co .....	Passenger transportation .....	5.05
	Northern Pacific Rwy. Co.....	do .....	6.98
	The Chicago, Burlington and Quincy R. R. Co.....	do .....	11.50
	Pennsylvania R. R. Co.....	do .....	21.00
	Baltimore and Ohio R. R. Co.....	do .....	12.75
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.....	do .....	5.30
	The Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.....	do .....	5.30
	International Great Northern R. R. Co .....	do .....	31.15
	Chicago, Milwaukee and St. Paul Rwy. Co .....	do .....	42.00
	Southern Rwy. Co.....	do .....	27.50
6	C. Bollinger .....	Salary .....	25.00
	Jno. L. Cantwell .....	do .....	20.00
	L. M. Erskine .....	do .....	50.00
14	D. Frank Parker .....	Mimeograph.....	50.00
17	W. O. H. Shepard .....	Salary .....	20.00
	Henry Hawkins .....	do .....	20.00
18	Library Bureau .....	Clips .....	10.00
	E. G. Ward, jr.....	Traveling expenses .....	46.30
	B. C. White .....	do .....	82.25
19	L. C. Dorgan, jr.....	Salary .....	25.00
	Edwin S. Holmes .....	Traveling expenses .....	143.86
29	B. C. White .....	do .....	69.10
31	Wells L. Miller .....	Services .....	200.00
	Jno. Cownie .....	do .....	200.00
	H. H. Green .....	do .....	200.00
	W. C. Duncan .....	do .....	200.00
	Kilbourn Harwood .....	do .....	200.00
	Geo. Husmann .....	do .....	200.00



## 76 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1900. Dec. 31	R. W. Furnas	Services	\$175.00
	Levi Chubbuck	do	175.00
	Plum A. Rogers	do	175.00
	T. J. Anderson	do	175.00
	F. E. Dawley	do	175.00
	S. A. Knapp	do	165.00
	E. F. Scherbel	do	150.00
	C. H. Morse	do	150.00
	E. E. Kaufman	do	150.00
	R. H. Thomas	do	150.00
	W. J. Northen	do	150.00
	Jas. H. Lane	do	137.50
	H. F. Simrall	do	137.50
	S. S. Shepard	do	125.00
	T. H. Reeves	do	125.00
	W. A. Withers	do	125.00
	J. J. Carley	do	125.00
	Z. W. Perry	do	112.50
	Jas. Shire	do	112.50
	J. A. Hayden	do	112.50
	S. J. Seal	do	112.50
	D. B. Russell	do	112.50
	Wm. Nelson	do	100.00
	E. D. Howe	do	75.00
	E. C. Hutchinson	do	75.00
	Jno. J. Rosa	do	75.00
	J. T. Cox	do	75.00
	D. E. Morton	do	75.00
	H. W. Vail	do	75.00
	J. A. Tillinghast	do	75.00
	Edward Wiggins	do	75.00
	C. L. Gold	do	75.00
	J. A. Beal	do	25.30
	E. T. Peters	do	147.00
	A. G. Rice et al	Salaries	3,975.35
	Total second quarter		22,278.49
1901. Jan. 2	Louisville and Nashville R. R. Co	Passenger transportation	9.59
	The Western Rwy. of Alabama	do	13.40
	The Yazoo and Mississippi Valley R. R. Co	do	6.60
	Southern Rwy. Co.	do	18.15
	do	do	11.75
	A. V. R. Snyder	Salary	125.00
	Edw. S. Holmes	do	195.00
	B. C. White	do	156.00
3	Amberg File and Index Co	Cabinet	89.00
4	United States Envelope Co	Envelopes	539.04
	Carl S. Scofield	Salary	84.20
5	Jno. L. Cantwell	do	20.00
8	E. Bollinger	do	25.00
14	L. M. Erskine	do	50.00
	L. C. Dorgan, jr	do	25.00
	Henry Hawkins	do	20.00
	W. O. H. Shepard	do	20.00
	Z. D. Gilman	Reading glasses	5.00
16	Richd. H. Lea	Salary	150.00
22	United States Envelope Co	Envelopes	1,699.02
	Jno. C. Parker	Letter paper	300.00
	The Maurice Joyce Engraving Co	Engraving	2.37
	O'Connor & Co	St. Louis Market Report	5.50
31	A. G. Rice et al	Salaries	4,128.88
Feb. 1	E. T. Peters	Salary	161.00
	Wm. H. Rupp	Seals, etc	17.00
	Valley Paper Co.	Paper	13.00
	H. W. Desgranges	Salary	125.00
	B. C. White	do	162.00
2	Edw. S. Holmes, jr	do	157.50
4	Carl S. Scofield	do	86.10
6	Kansas City, Memphis and Birmingham R. R. Co	Passenger transportation	12.50
	Yazoo and Mississippi Valley R. R. Co	do	6.80
	Georgia Railroad	do	5.13
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	14.55
	Illinois Central R. R. Co	do	11.85
	Chicago, Indianapolis and Louisville Rwy. Co.	do	5.00
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	do	5.30

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Feb. 6	Choctaw, Oklahoma and Gulf R. R. Co. ....	Passenger transportation.....	\$4.40
	Chicago and Northwestern Rwy. Co. ....	.....do .....	8.10
	The Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. ....	.....do .....	8.90
	Chicago and Alton Rwy. Co. ....	.....do .....	20.00
	.....do .....	.....do .....	7.70
	Michigan Central R. R. Co. ....	.....do .....	24.20
	The Missouri Pacific R. R. Co. ....	.....do .....	6.50
	The Pulman Co. ....	.....do .....	3.00
	Pere Marquette R. R. Co. ....	.....do .....	6.90
	New York, New Haven and Hartford R. R. Co. ....	.....do .....	10.00
	Southern Rwy. Co. ....	.....do .....	23.00
	Pennsylvania R. R. Co. ....	.....do .....	14.80
	.....do .....	.....do .....	8.30
	Baltimore and Ohio R. R. Co. ....	.....do .....	25.50
7	L. C. Dorgan, jr. ....	Salary .....	25.00
	C. Bollinger .....	.....do .....	25.00
	L. M. Erskine .....	.....do .....	50.00
	Jno. L. Cantwell .....	.....do .....	20.00
	Oswald Wilson .....	.....do .....	28.00
8	The Oliver Typewriter Co. ....	Cleaning typewriter .....	3.90
	B. C. White .....	Traveling expenses .....	106.70
12	The Chesapeake and Potomac Telephone Co. ....	Telephone rent .....	6.25
13	W. H. Rupp .....	Portfolio .....	5.50
14	W. O. H. Shepard .....	Salary .....	20.00
	Henry Hawkins .....	.....do .....	20.00
18	Oswald Wilson .....	Traveling expenses .....	11.75
20	Rich. H. Lea .....	Salary .....	50.00
21	Edw. S. Holmes, jr. ....	Traveling expenses .....	164.00
27	Chicago, Rock Island and Pacific Rwy. Co. ....	Passenger transportation.....	30.70
	C. S. Scofield .....	Expenses .....	64.12
	R. Carter Ballantyne .....	Paper .....	53.22
28	The R. H. Smith Manufacturing Co. ....	Molding .....	28.33
	S. A. Nelson .....	Book .....	1.00
	E. S. Holmes, jr. ....	Salary .....	161.00
	B. C. White .....	.....do .....	161.00
	A. G. Rice et al. ....	Salaries .....	3,939.71
Mar. 1	E. T. Peters .....	Salary .....	154.00
2	Carl S. Scofield .....	.....do .....	77.80
5	B. C. White .....	Traveling expenses .....	\$3.15
9	C. Bollinger .....	Salary .....	25.00
	Oswald Wilson .....	.....do .....	168.00
	Henry Hawkins .....	.....do .....	20.00
	Jno. L. Cantwell .....	.....do .....	20.00
	L. C. Dorgan, jr. ....	.....do .....	25.00
	W. O. H. Shepard .....	.....do .....	20.00
18	Library Bureau .....	Cases and cards .....	172.00
	Lemcke Buechner .....	Book .....	4.80
19	Washington City post-office .....	Stamps .....	30.00
20	L. M. Erskine .....	Salary .....	50.00
21	Richd. L. Lamb .....	Stamp pads .....	38.00
	Earle Sloan .....	Salary .....	100.00
25	United States Electric Lighting Co. ....	Electric current .....	6.62
27	Edwin S. Holmes, jr. ....	Traveling expenses .....	55.20
30	Wells W. Miller .....	Services .....	200.00
	H. H. Green .....	.....do .....	200.00
	W. C. Duncan .....	.....do .....	200.00
	Jno. Cowrie .....	.....do .....	200.00
	Robt. W. Furnas .....	.....do .....	175.00
	P. A. Rogers .....	.....do .....	175.00
	T. J. Anderson .....	.....do .....	175.00
	F. E. Dawley .....	.....do .....	175.00
	Levi Chubbuck .....	.....do .....	175.00
	S. A. Knapp .....	.....do .....	165.00
	Geo. Husmann .....	.....do .....	164.43
	W. J. Northen .....	.....do .....	150.00
	R. H. Thomas .....	.....do .....	150.00
	E. E. Kaufmann .....	.....do .....	150.00
	C. H. Morse .....	.....do .....	150.00
	E. F. Scherbel .....	.....do .....	150.00
	Jas. H. Lane .....	.....do .....	137.50
	A. V. R. Snyder .....	.....do .....	104.12
	J. J. Corley .....	.....do .....	125.00
	H. W. Desgranges .....	.....do .....	125.00
	S. S. Shepard .....	.....do .....	125.00
	W. A. Withers .....	.....do .....	125.00
	G. W. Perry .....	.....do .....	112.50
	J. A. Hayden .....	.....do .....	112.50

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1901. Mar. 31	Jas. Shire .....	Services .....	\$112.50
	D. B. Russell .....	do .....	112.50
	Wm. Nelson .....	do .....	100.00
	S. J. Seal .....	do .....	77.50
	E. D. Howe .....	do .....	75.00
	Edwd. Wiggins .....	do .....	75.00
	J. A. Tillinghast .....	do .....	75.00
	D. E. Morton .....	do .....	75.00
	H. W. Vail .....	do .....	75.00
	E. C. Hutchinson .....	do .....	75.00
	J. T. Cox .....	do .....	75.00
	Jno. J. Rosa .....	do .....	75.00
	C. L. Gold .....	do .....	75.00
	B. C. White .....	do .....	182.00
	A. G. Rice et al .....	Salaries .....	4,229.07
	Total third quarter .....		23,886.90
Apr. 1	Edwin S. Holmes, jr .....	Salary .....	175.00
	Pennsylvania Co .....	Passenger transportation .....	3.50
	Pere Marquette R. R. Co .....	do .....	3.20
	Baltimore and Ohio R. R. Co .....	do .....	11.30
	Southern Rwy. Co .....	do .....	37.70
	Pennsylvania R. R. Co .....	do .....	22.65
	New Orleans and Northeastern R. R. Co .....	do .....	20.10
	The Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co .....	do .....	7.50
	Seaboard Air Line Rwy. Co .....	do .....	19.35
3	B. C. White .....	Traveling expenses .....	101.60
	E. T. Peters .....	Salary .....	147.00
	Carl S. Scofield .....	do .....	86.10
4	The Hammond Typewriter Co .....	Shuttle .....	2.50
10	Jas. W. Wilson .....	Salary .....	140.00
	do .....	do .....	49.00
	do .....	Traveling expenses .....	123.09
	Jno. L. Cantwell .....	Salary .....	20.00
	C. Bollinger .....	do .....	25.00
	H. F. Simrall .....	do .....	137.50
	J. A. Beal .....	do .....	62.53
11	Oswald Wilson .....	Traveling expenses .....	16.05
	do .....	do .....	52.55
	do .....	Salary .....	182.00
12	Library Bureau .....	Cards .....	54.30
	do .....	Cards, etc .....	31.00
	Henry Hawkins .....	Salary .....	20.00
	L. M. Erskine .....	do .....	50.00
	L. C. Dorgan, jr .....	do .....	25.00
13	W. O. H. Shepard .....	do .....	20.00
22	Southern Rwy. Co .....	Passenger transportation .....	25.00
	The Pullman Co .....	do .....	16.50
	Yazoo and Mississippi Valley R. R. Co .....	do .....	11.85
	The Texas and Pacific Rwy. Co .....	do .....	42.75
24	Richd. H. Lea .....	Salary .....	100.00
29	B. C. White .....	Traveling expenses .....	104.17
30	E. S. Holmes, jr .....	Salary .....	182.00
	B. C. White .....	do .....	182.00
	A. G. Rice et al .....	Salaries .....	4,063.54
May 1	Sarah K. Harwood .....	Salary .....	100.00
2	E. T. Peters .....	do .....	126.00
	Carl S. Scofield .....	do .....	82.40
3	The Chesapeake and Potomac Telephone Co .....	Telephone rent .....	6.25
4	Wyckoff, Seamans & Benedict .....	Card attachment .....	2.85
7	Jno. L. Cantwell .....	Salary .....	20.00
	C. Bollinger .....	do .....	25.00
8	Western Union Telegraph Co .....	Telegraph service .....	21.09
	do .....	do .....	15.11
	Edwin S. Holmes, jr .....	Traveling expenses .....	108.45
9	W. O. H. Shepard .....	Salary .....	20.00
	L. M. Erskine .....	do .....	50.00
	Oswald Wilson .....	do .....	182.00
11	L. C. Dorgan, jr .....	do .....	25.00
16	Church & Stephenson .....	Lumber .....	30.50
17	Rudolph, West & Co .....	Cupboard turns .....	3.24
20	Library Bureau .....	Cards .....	65.15
	C. S. Scofield .....	Traveling expenses .....	57.34
23	Washington City post-office .....	Stamps .....	8.00
24	Louis F. Sloan .....	Salary .....	10.83
	Earle Sloan .....	do .....	39.17
	Henry Hawkins .....	do .....	20.00



Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
May 27	Louisville and Nashville R. R. Co. ....	Passenger transportation .....	\$10.60
	The Oregon R. R. and Navigation Co. ....	do .....	10.90
	The Wabash R. R. Co. ....	do .....	9.50
	Illinois Central R. R. Co. ....	do .....	5.50
	Pennsylvania R. R. Co. ....	do .....	25.50
	The Western Rwy. of Alabama. ....	do .....	5.25
	Union Pacific R. R. Co. ....	do .....	3.89
	Grand Trunk Rwy. System. ....	do .....	10.10
28	Western Union Telegraph Co. ....	Service .....	29.24
	do .....	do .....	38.52
	do .....	do .....	34.19
	do .....	do .....	59.90
	Wyckoff, Seamans & Benedict. ....	Paper .....	9.30
	Edwd. G. Ward. ....	Traveling expenses .....	11.50
	Western Union Telegraph Co. ....	Service .....	1.07
29	United States Engraving Co. ....	Daters .....	16.50
	Oswald Wilson. ....	Traveling expenses .....	99.23
31	A. G. Rice et al. ....	Salaries .....	4,357.17
June 1	B. C. White. ....	Salary .....	182.00
	E. S. Holmes, jr. ....	do .....	189.00
	Oswald Wilson. ....	Traveling expenses .....	113.25
	do .....	Salary .....	189.00
	S. W. Halsey. ....	do .....	69.23
3	H. E. Hooper, sr. ....	Atlas. ....	7.50
	The Journal of Commerce and Commercial Bulletin. ....	Yearbook .....	1.25
	G. G. Bradshaw. ....	Services .....	10.00
	Kilbourn Harwood, deceased. ....	Salary .....	51.11
4	Southern Rwy. Co. ....	Passenger transportation .....	53.05
	Baltimore and Ohio R. R. Co. ....	do .....	17.50
	E. T. Peters. ....	Salary .....	171.50
5	H. Hawkins. ....	do .....	20.00
	B. C. White. ....	Traveling expenses .....	149.05
6	L. C. Dorgan, jr. ....	Salary .....	25.00
	C. Bollinger. ....	do .....	25.00
	L. M. Erskine. ....	do .....	50.00
7	E. S. Holmes, jr. ....	Traveling expenses .....	146.85
8	Jno. L. Cantwell. ....	Salary .....	20.00
10	W. O. H. Shepard. ....	do .....	20.00
11	W. H. Rupp. ....	Fountain pens. ....	4.00
	The Maurice Joyce Engraving Co. ....	Engraving .....	.50
	D. Frank Parker. ....	Typewriter supplies .....	109.60
13	Thos. B. Baldwin. ....	Traveling expenses .....	33.75
	Rudolph. West & Co. ....	Lock screws .....	5.26
14	Eberhard Faber Co. ....	Bands .....	120.17
15	E. Carter Ballantyne. ....	Envelopes .....	25.46
17	Richd. H. Lea. ....	Salary .....	100.00
18	United States Envelope Co. ....	Envelopes .....	437.97
	do .....	do .....	379.00
	C. S. Braisted. ....	Pencils .....	30.00
21	Library Bureau. ....	Trays .....	9.00
	Western Union Telegraph Co. ....	Service .....	18.94
	do .....	do .....	6.09
	do .....	do .....	16.60
22	Washington City post-office. ....	Stamps .....	9.00
25	Pere Marquette R. R. Co. ....	Passenger transportation .....	6.40
	Pennsylvania Co. ....	do .....	3.00
	Seaboard Air Line Rwy. Co. ....	do .....	4.80
	Great Northern Rwy. Co. ....	do .....	6.45
	Southern Rwy. Co. ....	do .....	23.00
	Pennsylvania R. R. Co. ....	do .....	6.00
	Southern Rwy. Co. ....	do .....	13.50
28	Jas. B. Lambie. ....	Hinges .....	1.28
29	Wells W. Miller. ....	Services .....	200.00
	H. H. Green. ....	do .....	200.00
	W. C. Duncan. ....	do .....	200.00
	Jno. Cowrie. ....	do .....	200.00
	F. E. Dawley. ....	do .....	175.00
	Levi Chubbuck. ....	do .....	175.00
	R. W. Furnas. ....	do .....	175.00
	T. J. Anderson. ....	do .....	175.00
	Plum A. Rogers. ....	do .....	175.00
	S. A. Knapp. ....	do .....	165.00
	C. H. Morse. ....	do .....	150.00
	E. F. Scherbel. ....	do .....	150.00
	W. J. Northen. ....	do .....	150.00
	R. H. Thomas. ....	do .....	150.00
	E. E. Kaufman. ....	do .....	150.00
	H. F. Simrall. ....	do .....	137.50
	Jas. H. Lane. ....	do .....	137.50

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1901. June 29	J. J. Corley .....	Services .....	\$125.00
	S. S. Shepard .....	do .....	125.00
	W. A. Withers .....	do .....	125.00
	S. J. Seal .....	do .....	112.50
	G. W. Perry .....	do .....	112.50
	D. B. Russell .....	do .....	112.50
	James Shire .....	do .....	112.50
	J. A. Hayden .....	do .....	112.50
	Wm. Nelson .....	do .....	100.00
	Homer W. Vail .....	do .....	75.00
	D. E. Morton .....	do .....	75.00
	J. T. Cox .....	do .....	75.00
	Jno. J. Rosa .....	do .....	75.00
	J. A. Tillinghast .....	do .....	75.00
	Edw. Wiggin .....	do .....	75.00
	E. C. Hutchinson .....	do .....	75.00
	C. L. Gold .....	do .....	75.00
	E. D. Howe .....	do .....	75.00
	A. G. Rice et al .....	Salaries .....	4,504.94
	Total fourth quarter .....		24,088.37
	<i>Supplemental.</i>		
July 1	E. S. Holmes .....	Salary .....	175.00
2	Hugh Reilly .....	Glass .....	5.28
3	B. C. White .....	Salary .....	175.00
5	C. Bollinger .....	do .....	25.00
	Carl S. Scofield .....	do .....	41.20
	Thos. B. Baldwin .....	do .....	154.00
6	Mahlon T. Lighner .....	Services .....	100.50
	Oswald Wilson .....	Salary .....	175.00
8	Jno. L. Cantwell .....	do .....	20.00
	L. M. Erskine .....	do .....	50.00
	Henry Hawkins .....	do .....	20.00
	Richd. H. Lea .....	do .....	50.00
	Kilbourn H. Roby .....	do .....	237.78
9	Northern Pacific Rwy. Co. ....	Passenger transportation .....	3.75
	Georgia R. R. Co. ....	do .....	5.13
	Chicago and Northwestern Rwy. Co. ....	do .....	4.94
11	Oswald Wilson .....	Traveling expenses .....	99.80
	Thos. B. Baldwin .....	do .....	75.90
	H. W. Desgranges .....	Salary .....	125.00
13	Edwd. S. Holmes, jr .....	Traveling expenses .....	150.25
	W. O. H. Shepard .....	Salary .....	20.00
17	B. C. White .....	Traveling expenses .....	125.90
19	The Railroad Gazette .....	Subscription .....	4.00
	The Railway Equipment and Publishing Co. ....	do .....	5.00
	The Journal of Commerce and Commercial Bulletin .....	do .....	12.00
20	The Railway World Publishing Co .....	do .....	1.00
	D. O. Haynes & Co. ....	do .....	8.00
	The Tuttle, Morehouse & Taylor Co. ....	do .....	3.00
	Valley Paper Co. ....	Paper .....	13.00
	Willett & Gray .....	Subscription .....	15.00
	National Railway Publishing Co. ....	do .....	5.00
22	Windsor & Kenfield Publishing Co .....	do .....	1.00
	The University of Chicago Press .....	do .....	2.00
	T. B. Veblen .....	do .....	3.00
	The Railway Age and North Western Railroader .....	do .....	4.00
	J. R. Commons .....	do .....	1.00
	Frank P. Bennett .....	do .....	1.00
	do .....	do .....	3.00
	Geo. H. Ellis .....	do .....	3.00
	Ginn & Co. ....	do .....	3.00
23	Lemcke & Buechner .....	do .....	15.00
	do .....	do .....	6.50
	Trade Publishing Co. ....	do .....	.50
	E. L. Powers Co. ....	do .....	3.00
26	Baltimore & Ohio R. R. Co. ....	Passenger transportation .....	12.75
	Northern Pacific Rwy. Co. ....	do .....	3.80
29	B. W. Rowley .....	Subscription .....	2.00
30	Jno. C. Parker .....	Supplies .....	126.29
	The Fruit World Publishing Co .....	Subscription .....	1.00
Aug. 1	Carl S. Scofield .....	Traveling expenses .....	46.98
	R. Carter Ballantyne .....	Pens .....	12.63
2	Curtis, Guild & Co .....	Subscription .....	4.00
	The Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. ....	Passenger transportation .....	7.50

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## COLLECTING AGRICULTURAL STATISTICS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Aug. 2	Louisville and Nashville R. R. Co .....	Passenger transportation .....	\$37.09
	The Western Rwy. of Alabama .....	do .....	5.25
	The Hocking Valley Rwy. Co. ....	do .....	61.00
	Chicago, Rock Island and Texas Rwy. Co .....	do .....	6.30
	Seaboard Air Line Rwy. Co .....	do .....	13.95
	The Wabash R. R. Co .....	do .....	9.87
	The Yazoo and Mississippi Valley R. R. Co .....	do .....	6.60
	Southern Rwy. Co .....	do .....	3.50
	do .....	do .....	7.45
	do .....	do .....	58.25
3	Jno. C. Parker .....	Letter paper .....	117.60
5	Chicago and Alton Rwy. Co .....	Passenger transportation .....	4.75
	International and Great Northern R. R. Co .....	do .....	9.70
	The Missouri Pacific Rwy. Co .....	do .....	9.70
6	E. E. Billow .....	Subscription .....	5.00
12	Rudolph, West & Co .....	Cupboard turns .....	3.24
	The Geo. W. Knox Express Co .....	Transportation .....	1.95
	J. E. Beerbohm .....	Subscription .....	29.20
20	Orange Judd Co .....	do .....	1.00
21	The Chesapeake and Potomac Telephone Co .....	Service .....	6.25
22	The Hawaiian Gazette Co .....	Subscription .....	1.25
Oct. 3	Louis F. Sloan .....	Salary .....	50.00
4	Georgia R. R. Co .....	Passenger transportation .....	12.15
	Seaboard Air Line .....	do .....	11.75
	Gulf, Colorado and Santa Fe Rwy. Co .....	do .....	7.10
	The Oregon R. R. and Navigation Co .....	do .....	11.05
	The Texas and Pacific Rwy. Co .....	do .....	9.60
	Oregon Short Line R. R. Co .....	do .....	34.50
	Chicago, Milwaukee and St. Paul Rwy. Co .....	do .....	12.75
	The Chicago, Burlington and Quincy R. R. Co .....	do .....	7.05
	Southern Rwy. Co .....	do .....	3.25
	The Chesapeake and Ohio Rwy. Co .....	do .....	27.75
	Great Northern Rwy. Co .....	do .....	10.40
	Northern Pacific R. R. Co .....	do .....	10.40
8	Thos. Cook & Son .....	do .....	180.23
	do .....	do .....	113.50
	do .....	do .....	105.00
	do .....	do .....	98.00
12	Postal Telegraph Cable Co .....	Service .....	4.75
	Total .....		3,276.49

## RECAPITULATION.

First quarter .....	\$19,204.61
Second quarter .....	22,278.49
Third quarter .....	23,886.90
Fourth quarter .....	24,088.27
Supplemental .....	3,276.49
Total .....	92,734.76

## INVESTIGATING FOREIGN DEMANDS FOR UNITED STATES AGRICULTURAL PRODUCTS.

Date.	Name.	Nature of payment.	Total.
1900.			
July 31	F. H. Hitchcock et al .....	Salary .....	\$734.80
Aug. 21	E. S. Newman .....	Paper .....	6.00
27	Jno. C. Parker .....	Binding cases .....	3.50
31	F. H. Hitchcock et al .....	Salaries .....	714.80
Sept. 5	Wyckoff, Seamans & Benedict .....	Copying ribbons .....	3.50
7	The Press Clipping Bureau .....	Clippings .....	3.99
18	do .....	do .....	1.98
29	F. H. Hitchcock et al .....	Salaries .....	675.40
	Total first quarter .....		2,143.37
Oct. 15	The Press Clipping Bureau .....	Clippings .....	1.68
23	The Spectator Co .....	Arithmometer .....	400.00



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## INVESTIGATING FOREIGN DEMANDS FOR UNITED STATES AGRICULTURAL PRODUCTS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 31	F. H. Hitchcock et al .....	Salaries .....	\$729.80
Nov. 2	United States Envelope Co .....	Envelopes .....	48.00
	The Chesapeake and Potomac Telephone Co. ....	Telephone rent .....	4.14
26	F. H. Hitchcock .....	Traveling expenses .....	19.85
30	F. H. Hitchcock et al .....	Salaries .....	687.90
Dec. 3	The Press Clipping Bureau .....	Clippings .....	1.32
14	do .....	do .....	1.47
17	E. S. Newman .....	Paper and ribbons for adding machine. ....	9.00
29	S. P. Johnson .....	Typewriter, etc .....	62.50
31	F. H. Hitchcock et al .....	Salaries .....	774.37
	Total second quarter .....		2,740.03
1901.			
Jan. 18	W. B. Moses & Sons .....	Bookcase .....	18.00
19	The Press Clipping Bureau .....	Clippings .....	1.08
22	Jno. C. Parker .....	Letter press .....	22.72
31	F. H. Hitchcock et al .....	Salaries .....	730.30
Feb. 11	The Press Clipping Bureau .....	Clippings .....	3.09
	W. B. Moses & Sons .....	Bookcase units .....	9.00
	Brentanos .....	Statistical books .....	67.95
12	The Chesapeake and Potomac Telephone Co. ....	Telephone rent .....	6.25
28	F. H. Hitchcock et al .....	Salaries .....	759.40
Mar. 12	The Press Clipping Bureau .....	Clippings .....	5.82
23	United States Envelope Co .....	Envelopes .....	96.00
30	F. H. Hitchcock et al .....	Salaries .....	822.80
	Total third quarter .....		2,542.41
Apr. 6	Jno. C. Parker .....	Envelopes, etc. ....	51.00
12	The Spectator Co. ....	Arithmometer .....	400.00
19	The Press Clipping Bureau .....	Clippings .....	3.21
30	F. H. Hitchcock et al .....	Salaries .....	816.10
May 1	E. S. Newman .....	Ribbons for adding machine .....	3.00
3	The Chesapeake and Potomac Telephone Co. ....	Telephone rent .....	6.25
13	The Press Clipping Bureau .....	Clippings .....	1.56
	Wyckoff, Seamans & Benedict .....	Ribbons .....	6.00
16	E. S. Newman .....	Burroughs registering accountant. ....	350.00
	do .....	Arithmometer paper .....	3.00
31	F. H. Hitchcock et al .....	Salaries .....	832.80
June 15	Houghton & Delano .....	Films .....	7.00
18	Pearre E. Crowl Co. ....	Stamp gum .....	52.38
	Houghton & Delano .....	Camera .....	15.25
22	Grant Carpenter .....	Adjusting arithmometer .....	18.00
	Total fourth quarter .....		2,565.55
	Supplemental.		
July 5	Adams Express Co. ....	Transportation .....	2.06
9	Houghton & Delano .....	Films .....	8.40
	E. S. Newman .....	Paper and ribbon for adding machine. ....	5.50
Aug. 21	The Chesapeake and Potomac Telephone Co. ....	Rent .....	6.25
30	The Press Clipping Bureau .....	Clippings .....	1.20
	Total .....		23.41

## RECAPITULATION.

First quarter .....	\$2,143.37
Second quarter .....	2,740.03
Third quarter .....	2,542.41
Fourth quarter .....	2,565.55
Supplemental .....	23.41
Total .....	10,014.77

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BOTANICAL INVESTIGATION AND EXPERIMENTS.

Date.	Name.	Nature of payment.	Total.
1900.			
July 20	G. W. Moss	Passenger transportation	\$75.20
31	V. K. Chesnut et al	Salaries	1,516.76
Aug. 1	S. S. Boyce	Salary	51.61
10	L. H. Dewey	Traveling expenses	50.83
11	O. F. Cook	Salary	168.50
	E. R. Lake	do	150.00
14	Will W. Tracy, jr	Expenses	49.50
21	Washington Gaslight Co	Gas	1.20
	United States Electric Lighting Co.	Lighting	4.35
24	Jno. C. Parker	Shannon binding case	1.25
25	Z. D. Gilman	Pressure tubing	1.80
	A. J. Pieters	Seeds	16.98
	M. G. Kains	Traveling expenses	62.39
29	Thos. Somerville & Sons	Pump, pipe, etc	66.82
31	V. K. Chesnut et al	Salaries	1,509.60
Sept. 4	S. S. Boyce	Salary	160.00
5	O. F. Cook	do	168.50
	Chicago House Wrecking Co	Roofing	17.50
	Rudolph, West & Co	Hose, etc	19.54
	Carl S. Scofield	Traveling expenses	185.82
	E. R. Lake	Salary	150.00
7	Z. D. Gilman	Tubing, etc	3.68
	Carter, Rice & Co. Corpn	Oak tag	2.10
	Whithall Tatum & Co	Tubing, etc	1.62
	Houghton & Delano	Photo supplies	9.43
	do	do	8.00
	Edw. S. Schmidt	Labels	3.75
12	United States Electric Lighting Co	Electric current	1.43
	Washington Gaslight Co	Gas	1.90
	Ernest Betz	Copper trays, etc	21.00
	Chas. Becker	Linseed oil	6.00
15	Houghton & Delano	Films	5.40
	F. W. Bolgiano	Farm wagon	49.75
17	Jas. B. Lambie	Nails, etc	6.52
19	Rudolph, West & Co	Hardware	20.76
21	Atlanta and West Point R. R. Co	Passenger transportation	5.25
	Southern Rwy. Co	do	33.00
	do	do	5.80
24	Library Bureau	Index cards	14.40
	Will W. Tracy, jr	Expenses	37.95
29	V. K. Chesnut et al	Salaries	1,864.16
	Total first quarter		5,970.05
Oct. 2	S. S. Boyce	Salary	100.00
	O. F. Cook	do	163.00
3	Ernest Betz	Making germinating chamber	85.00
4	E. R. Lake	Salary	150.00
	Bausch & Lomb Optical Co.	Triplet	5.35
5	The Atchison, Topeka and Santa Fe Rwy. Co.	Passenger transportation	16.85
	Southern Rwy. Co.	do	18.50
	Atlanta Coast Line R. R. Co	do	12.25
	do	do	21.16
	Norfolk and Washington, D. C., Steamboat Co.	do	3.00
	Florida East Coast Rwy. Co	do	33.95
	Keokuk and Western R. R. Co	do	6.15
	Pennsylvania R. R. Co	do	22.60
9	L. H. Dewey	Traveling expenses	61.36
10	R. Carter Ballantyne	Maps	.91
16	E. R. Lake	Traveling expenses	46.09
	do	do	28.05
	Flint & Walling Manufacturing Co	Tank	25.85
	Houghton & Delano	Seed plates	2.82
	United States Electric Lighting Co.	Electric current	1.31
	Washington Gaslight Co	Gas	1.20
18	S. S. Boyce	Salary	48.39
20	Church & Stephenson	Lumber	114.00
24	Southern Rwy. Co	Passenger transportation	17.50
	do	do	3.88
	Chicago and Northwestern Rwy. Co	do	8.48
	Thos. Cook & Son	do	92.83
	do	do	51.17
	Cincinnati, New Orleans, and Texas Pacific Rwy. Co.	do	2.45
	The Western Rwy. of Alabama	do	17.92
	Alabama Midland Rwy. Co	do	14.00
	Southern Pacific Co	do	14.70
	do	do	8.15

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BOTANICAL INVESTIGATION AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 26	U. M. Steward	Clover seed	\$3.00
30	Geo. F. Muth & Co.	Lead, etc.	6.35
	Thos. Somerville & Sons	Pipe, etc.	17.44
	Houghton & Delano	Plates	4.68
	do	do	12.42
	Edw. S. Schmidt	Rabbits	2.00
	do	Nicotine	1.50
	do	Sprinkler	1.00
	Mackall Bros	Chemicals	4.25
	F. P. May & Co.	Knife	1.00
31	V. K. Chestnut et al	Salaries	1,251.62
Nov. 2	The Chesapeake and Potomac Telephone Co.	Telephone service	10.39
3	E. R. Lake	Salary	150.00
	O. F. Cook	do	168.50
5	Vera K. Charles	Report on seed coat	150.00
6	Thos. Cook & Son	Passenger transportation	83.30
	Gulf, Colorado and Santa Fe Rwy. Co.	do	10.30
	The Chesapeake and Ohio Rwy. Co.	do	14.55
10	A. J. Pieters	Traveling expenses	121.72
16	The Randolph Paper Box Co.	Pamphlet cases	6.90
17	Church & Stephenson	Lumber	8.08
	M. Du Perow	Cells	1.70
	The Warren W. Biggs Heating and Ventilating Co.	Repairs to boiler	105.00
19	Houghton & Delano	Photo supplies	7.77
20	Fred. A. Schmidt	Cross-section paper	1.16
	Will. W. Tracy, jr	Expenses	32.50
22	F. A. Walpole	Traveling expenses	205.20
23	Wm. H. Rupp	Perforator	.25
	W. R. Beattie	Expenses	16.03
27	Z. D. Gilman	Naphthaline	.24
	The Geo. W. Knox Express Co.	Transportation	.77
	United States Electric Lighting Co.	Electric current	.65
	Washington Gaslight Co.	Gas	2.40
28	L. H. Dewey	Traveling expenses	124.50
30	V. K. Chestnut et al	Salaries	1,168.40
Dec. 1	E. R. Lake	Salary	150.00
	O. F. Cook	do	163.00
3	Rochester Optical and Camera Co.	Repairs to premo	6.50
	Houghton & Delano	Photo supplies	10.20
	do	Seed plates	2.82
	W. S. Thompson	Isinglass plaster	.60
	E. Morrison Paper Co.	Tag-board paper	3.50
5	Thos. Somerville & Sons	Pipe, etc.	112.46
	Thos. Cook & Son	Passenger transportation	6.50
	Baltimore and Ohio R. R. Co.	do	9.00
	do	do	17.00
	Union Pacific R. R. Co.	do	5.67
	Chicago and Northwestern Rwy. Co.	do	8.10
6	Vera K. Charles	Report on seed coats	100.00
11	Mary Gannett	Mounting plants	5.70
15	Edgar Brown	Traveling expenses	5.45
17	Z. D. Gilman	Forceps	.75
	E. R. Lake	Traveling expenses	235.83
	do	do	213.51
	Houghton & Delano	Solio paper	12.05
19	Chas. Becker	Oil	3.00
	The Standard Brick Co.	Brick	4.25
21	United States Electric Co.	Electric current	2.68
	Washington Gaslight Co.	Gas	4.00
29	F. V. Coville	Traveling expenses	31.10
	Adams Bros	Ventilator elbows	5.00
	Jas. B. Lambie	Iron, bolts, etc.	4.30
31	V. K. Chesnut et al	Salaries	1,196.90
	Total second quarter		7,263.04
1901.			
Jan. 2	Baltimore and Ohio R. R. Co.	Passenger transportation	13.50
	Louisville and Nashville R. R. Co.	do	12.40
	Pennsylvania Co.	do	11.75
	Illinois Central R. R. Co.	do	9.40
	Cincinnati, Hamilton and Dayton Rwy. Co.	do	6.00
	Chicago Great Western Rwy. Co.	do	8.00
	Pennsylvania R. R. Co.	do	17.00
3	J. H. Bunnell & Co.	Silk cord	3.00
	Seabury & Johnson	Silk ising	7.50
	E. R. Lake	Traveling expenses	128.10
	do	Expenses	53.31



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BOTANICAL INVESTIGATION AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Jan. 4	E. R. Lake .....	Salary .....	\$150.00
	O. F. Cook .....	do .....	168.50
7	Church & Stephenson .....	Lumber .....	11.00
	United States Express Co .....	Transportation .....	11.21
12	Ernest Betz .....	Making oven .....	30.00
	H. M. Pieters .....	Abstract .....	5.00
	F. A. Walpole .....	Traveling expenses .....	25.35
14	Rudolph, West & Co .....	Hose, etc .....	13.00
	Mackall Bros .....	Soda, etc .....	1.92
16	Carl Purdy .....	Bulbs .....	.85
	Washington Gaslight Co. ....	Gas .....	3.50
	United States Electric Lighting Co .....	Electric current .....	8.17
19	Manhattan Electrical Supply Co .....	Wire .....	.83
21	Whithall, Tatum & Co .....	Glass tubing .....	1.50
	Library Bureau .....	Cards, etc .....	17.00
	do .....	Pamphlet boxes .....	1.68
22	National Electrical Supply Co .....	Sockets .....	2.19
24	Thos. W. Smith .....	Hot-bed sash .....	5.20
26	E. V. Wilcox .....	Traveling expenses .....	60.45
29	Edward S. Schmid .....	Labels .....	3.75
30	Conrad Becker .....	Straps .....	4.80
	Woodward & Lothrop .....	Canton flannel .....	1.80
31	V. K. Chestnut et al .....	Salaries .....	1,214.13
Feb. 1	B. F. Starr & Co .....	Bolting cloth .....	1.05
	Felix Potin & Cie .....	Fruit .....	19.36
2	Houghton & Delano .....	Plates, etc .....	5.28
	O. F. Cook .....	Salary .....	172.20
5	J. M. Bulsion .....	Prunes .....	8.57
	Blue Line Transfer Co. ....	Transportation .....	3.16
6	The Lake Shore and Michigan Southern Rwy. Co. ....	Passenger transportation .....	4.50
	The Wabash R. R. Co. ....	do .....	9.50
	Pere Marquette R. R. Co. ....	do .....	2.88
	Pennsylvania Co .....	do .....	17.50
	Warren M. Whyte .....	Label holders .....	7.00
8	W. M. Galt & Co .....	Hay .....	16.50
	Mackall Bros .....	Chemicals .....	5.60
11	The Draper Manufacturing Co .....	Thermometer chart .....	1.56
	W. H. Larman .....	Boiler .....	49.50
12	Bausch & Lomb Optical Co .....	Glass, etc .....	4.50
	J. A. Pierpoint .....	Tin boxes .....	3.50
	Carter, Rice & Co. Corporation .....	Tag board .....	10.50
	The Chesapeake and Potomac Telephone Co. ....	Telephone rent .....	12.50
16	A. J. Pieters .....	Expenses .....	9.30
18	Chas. Becker .....	Glass .....	7.00
19	Vera K. Charles .....	Report .....	75.00
	B. F. Bush .....	Seeds .....	10.40
23	Houghton & Delano .....	Photo supplies .....	1.60
26	Richard L. Lamb .....	Stamp holder .....	2.10
	Geo. F. Muth & Co. ....	Glass .....	.50
	W. H. Rupp .....	Calendar stand, etc .....	1.50
	John C. Parker .....	Pencil pointer .....	3.50
	Thos. Somerville & Sons .....	Cement, etc .....	7.00
	United States Electric Lighting Co .....	Lamps .....	1.60
	do .....	Electric current .....	5.45
	Washington Gaslight Co. ....	Gas .....	3.30
27	Chicago, Rock Island and Pacific Rwy. Co. ....	Passenger transportation .....	6.15
	A. A. Heller .....	Catalogue plants .....	1.45
	Adams Express Co. ....	Transportation .....	7.02
28	The Florists' Exchange .....	Directory .....	2.00
	V. K. Chesnut et al .....	Salaries .....	1,101.85
Mar. 1	Thos. Somerville & Sons .....	Fittings .....	17.25
	O. F. Cook .....	Salary .....	155.60
13	Woodward & Lothrop .....	Velvet .....	1.15
14	E. J. Pullman .....	Photo paper .....	3.00
	Rudolph, West & Co .....	Gutter, etc .....	7.83
18	Will. W. Tracy, jr .....	Expenses .....	41.67
	E. R. Lake .....	Traveling expenses .....	32.27
	Library Bureau .....	File cases .....	1.70
19	The Geo. W. Knox Express Co. ....	Transportation .....	4.65
	do .....	do .....	3.69
21	Church & Stephenson .....	Lumber .....	6.79
23	Eimer & Amend .....	Pans .....	1.43
	Robt. Smith Printing Co. ....	Scrapbooks .....	4.00
	Merck & Co .....	Sapotoxin, etc .....	4.00
25	Edgar Brown .....	Traveling expenses .....	8.55
	Washington Gaslight Co. ....	Gas .....	4.50
	United States Electric Lighting Co. ....	Electric current .....	.17

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BOTANICAL INVESTIGATION AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Mar. 25	The Chesapeake and Potomac Telephone Co.	Telephone services.....	\$0.15
30	V. K. Chesnut et al .....	Salaries .....	1,248.70
	Total third quarter .....		5,160.77
Apr. 1	O. F. Cook .....	Salary .....	172.20
	do .....	Traveling expenses .....	18.60
	Jno. C. Parker .....	Wax paper, etc .....	2.45
	New Orleans and Northeastern R. R. Co .....	Passenger transportation .....	27.50
	Pere Marquette R. R. Co .....	do .....	4.75
2	E. J. Pullman .....	Photo paper .....	2.65
	do .....	Blue paper .....	1.00
	Wm. H. Dyer .....	File boxes .....	6.00
	W. M. Galt & Co .....	Hay .....	8.91
	Geo. Cogar & Co .....	Seeds .....	3.20
	M. A. Seed Dry Plate Co .....	Films .....	2.94
3	A. J. Pieters .....	Expenses .....	15.53
	Library Bureau .....	Cards, etc .....	1.90
	Bausch & Lomb Optical Co .....	Triplet's reading glasses .....	17.22
	D. T. MacDougal .....	Index cards .....	3.56
9	Thos. Somerville & Sons .....	Steam gauge .....	8.25
17	Homer Bowers .....	Plants .....	4.00
20	Houghton & Delano .....	Plates and paper .....	6.59
	L. S. Depue .....	Oats .....	7.75
	United States Electric Lighting Co .....	Electric current .....	14.42
	Washington Gaslight Co .....	Gas .....	4.40
	New York, Susquehanna and Western R. E. Co. ....	Transportation .....	33.00
	Blue Line Transfer Co .....	do .....	1.22
24	F. W. Bolgiano .....	Fertilizer .....	16.80
25	V. K. Chestnut .....	Traveling expenses .....	48.20
	do .....	Expenses .....	5.46
	Fred. A. Schmidt .....	Pencil and pads .....	4.60
27	United States Express Co .....	Transportation .....	15.78
	Adams Express Co .....	do .....	19.56
30	V. K. Chestnut et al .....	Salaries .....	1,256.90
May 1	Paul Hiser, jr., & Bro. ....	Pots .....	8.56
	E. Morrison Paper Co .....	Binders' board .....	4.00
2	J. Burt Davy .....	Plants .....	7.50
	O. F. Cook .....	Salary .....	164.80
3	V. K. Charles .....	Report and mounted slides .....	100.00
	The Chesapeake and Potomac Telephone Co. ....	Telephone rent .....	12.50
4	W. M. Galt & Co .....	Hay .....	8.38
8	Western Union Telegraph Co .....	Telegraph service .....	1.13
16	United States Electric Lighting Co .....	Electric current .....	10.43
	Mackall Bros .....	Laboratory supplies .....	7.97
	do .....	Alcohol .....	1.13
	W. M. Whyte .....	Zinc labels .....	3.00
17	Church & Stephenson .....	Cedar posts .....	34.50
	do .....	Lumber .....	23.53
	do .....	do .....	16.94
	do .....	do .....	5.15
	Thos. Somerville & Son .....	Tin pipe .....	4.00
24	Chas. L. Smith .....	Books .....	3.70
	F. A. Walpole .....	Traveling expenses .....	27.85
	Bausch & Lomb Optical Co .....	Bottles, etc .....	4.65
	Eimer & Amend .....	Hydrometer .....	1.00
28	Western Union Telegraph Co .....	Service .....	2.19
	Ethel Snell .....	Book .....	1.00
	E. J. Pullman .....	Albuma paper .....	1.25
	Fred V. Coville .....	Traveling expenses .....	7.10
	Fred. A. Schmidt .....	Pencils .....	1.10
31	V. K. Chestnut et al .....	Salaries .....	1,428.54
June 3	M. G. Kains .....	Salary .....	52.75
	O. F. Cook .....	do .....	170.40
4	Baltimore and Ohio R. R. Co .....	Passenger transportation .....	73.25
	Washington Gaslight Co .....	Gas .....	3.40
7	V. K. Chesnut .....	Traveling expenses .....	84.77
	do .....	do .....	40.16
11	E. Morrison Paper Co .....	Driers, etc .....	23.25
	J. A. Pierpoint .....	Tin boxes .....	17.50
	Woodward & Lothrop .....	Jars .....	13.50
	F. W. Bolgiano .....	Plow, etc .....	12.25
	Lamb Wire Fence Co .....	Wire fence .....	57.60
	Edwd. S. Schmidt .....	Plant stakes .....	3.00
	Leidy S. Depue .....	Oats .....	13.20
	do .....	do .....	12.40
	Jas. S. Topham .....	Camera case, etc .....	16.50

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BOTANICAL INVESTIGATION AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1901. June 12	Church & Stephenson .....	Lumber .....	\$20.25
13	Jno. B. Lord .....	Sand .....	6.30
14	Eimer & Amend .....	Weights .....	.83
	do .....	Hydrometers .....	5.25
	do .....	Glass tubes .....	4.00
	do .....	Chemicals .....	1.35
	Henry J. Green .....	Thermometers .....	4.50
	Parke Davis & Co .....	Chloretone .....	11.75
	Whitall Tatem & Co .....	Jars, etc .....	.54
	Rochester Optical and Camera Co .....	Holders, etc .....	5.35
15	C. Becker .....	Leather straps .....	9.00
	Thos. Somerville & Son .....	Tank .....	4.00
17	Fredk. Carl .....	Camera attachment .....	36.25
21	Vera K. Charles .....	Report and drawings .....	125.00
	Western Union Telegraph Co .....	Service .....	.70
	do .....	do .....	1.88
22	Jas. S. Topham .....	Case .....	8.00
24	Houghton & Delano .....	Photo supplies .....	56.79
	do .....	Prints .....	7.90
	V. K. Chesnut .....	Traveling expenses .....	50.00
25	do .....	Expenses .....	19.65
	Ernest Betz .....	Repairs .....	3.55
	New York and Porto Rico Steamship Co .....	Passenger transportation .....	50.00
	The Chesapeake and Ohio Rwy. Co .....	do .....	76.75
27	United States Electric Lighting Co .....	Electric current .....	1.90
	Washington Gaslight Co .....	Gas .....	2.70
	Jas. S. Topham .....	Case .....	6.00
28	Rudolph, West & Co .....	Wire netting, etc .....	65.49
	F. W. Bolgiano .....	Plaster .....	6.50
29	V. K. Chesnut et al .....	Salaries .....	1,504.70
	Total fourth quarter .....		6,322.93
	<i>Supplemental.</i>		
1901. July 5	Vera K. Charles .....	Report and drawings .....	50.00
	Adams Express Co .....	Transportation .....	1.00
	do .....	do .....	17.90
	M. G. Kains .....	Salary .....	98.90
6	W. R. Beattie .....	Expenses .....	32.71
8	Western Electric Co .....	Adjusting thermometer .....	21.50
	do .....	Thermometer coils .....	4.00
	Rochester Optical and Camera Co .....	Slides .....	2.10
	Eimer & Amend .....	Hydrometer and express .....	1.05
9	Bausch & Lomb Optical Co .....	Nose piece .....	.75
	Thos. W. Smith .....	Stakes .....	27.00
16	A. J. Pieters .....	Expenses .....	15.43
	do .....	do .....	6.58
	do .....	Traveling expenses .....	4.17
17	Church & Stephenson .....	Lumber .....	8.64
	Houghton & Delano .....	Photograph supplies .....	30.15
	Sheets & Bishop .....	Tripod, etc .....	8.20
	L. S. Depue .....	Oats .....	16.50
	J. T. Walker's Sons .....	Sand .....	1.25
	Houghton & Delano .....	Photograph supplies .....	24.50
18	W. J. Gerhard .....	Botanical publications .....	2.75
19	Robt. F. Griggs .....	Salary .....	39.60
	United States Electric Lighting Co .....	Electric light .....	1.57
	Washington Gaslight Co .....	Gas .....	2.10
	United States Express Co .....	Transportation .....	7.71
22	Edgar Brown .....	Traveling expenses .....	100.87
23	Northern Pacific Rwy. Co .....	Transportation .....	25.65
26	F. V. Coville .....	Expenses .....	57.72
	Will. W. Treacy .....	do .....	26.45
	Edgar Brown .....	do .....	10.64
	C. L. Smith .....	Books .....	140.00
30	Jno. C. Parker .....	Record book .....	2.75
Aug. 2	R. Carter Ballantyne .....	Labels .....	1.00
	E. Morrison Paper Co .....	Blotting paper .....	3.50
	Pennsylvania R. R. Co .....	Passenger transportation .....	6.50
	Pacific Clipper Line .....	do .....	75.00
3	Mackall Bros .....	Chemicals .....	116.48
8	Thos. Taylor, M. D .....	Labels .....	35.00
12	The Geo. W. Knox Express Co .....	Transportation .....	5.40
17	Robt. F. Griggs .....	Traveling expenses .....	93.47
	Vera K. Charles .....	Expressage .....	1.00
21	F. A. Walpol .....	Traveling expenses .....	12.00
	The Chesapeake and Potomac Telephone Co .....	Rent .....	12.50
23	V. K. Chesnut .....	Traveling expenses .....	64.85
	do .....	Expenses .....	133.97



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BOTANICAL INVESTIGATION AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901.			
Aug. 29	Guy N. Collins.....	Expenses.....	\$9.45
Sept. 21	Mexico Commercial Co.....	Transportation.....	88.46
Oct. 2	Wm. Ballantyne & Sons.....	Books.....	42.72
5	Northern Pacific Rwy. Co.....	Passenger transportation.....	5.20
12	Postal Telegraph Cable Co.....	Service.....	6.82
	Total.....		1,502.96

## RECAPITULATION.

First quarter.....	\$5,970.05
Second quarter.....	7,263.04
Third quarter.....	5,160.77
Fourth quarter.....	6,322.93
Supplemental.....	1,502.96
Total.....	26,219.75

## BOTANICAL INVESTIGATION AND EXPERIMENTS.

[Appropriation for 1900-01.]

Date.	Name.	Nature of payment.	Total.
1900.			
June 22	A. J. Pieters.....	Traveling expenses.....	\$33.79
23	E. Morrison Paper Co.....	Mailing tubes.....	2.95
30	A. J. Pieters et al.....	Salaries.....	1,229.70
	Total fourth quarter, 1900.....		1,264.44
July 2	Henry H. Brown.....	Kodak, etc.....	33.45
10	Thos. H. Kearney, jr.....	Traveling expense.....	9.17
13	Henry J. Green.....	Thermometer.....	3.00
	Whitall, Tatum & Co.....	Vials.....	25.94
	Washington Gaslight Co.....	Gas.....	2.00
	E. Morrison Paper Co.....	Mailing tubes.....	6.65
16	United States Electric Lighting Co.....	Electric current.....	3.75
19	S. H. Moore.....	Set portfolios.....	5.75
23	Henry Lindemeyr & Sons.....	Newspaper.....	7.73
28	Houghton & Delano.....	Solio paper.....	4.25
Aug. 1	Eimer & Amend.....	Tripod, etc.....	2.88
	do.....	Weights.....	.80
	E. Morrison Paper Co.....	Herbarium paper.....	45.00
3	Houghton & Delano.....	Solio paper.....	3.90
10	Carter, Rice & Co. (Corporation).....	Paper.....	21.00
	The Springer Torsion Balance Co.....	Metric beam.....	15.50
	Whitall, Tatum & Co.....	Copper wire, etc.....	1.17
	do.....	Shell vials and corks.....	24.42
	Eimer & Amend.....	Reagent bottles, etc.....	4.40
	Houghton & Delano.....	Kodak films.....	5.40
	do.....	Seed plates.....	3.51
	The Draper Manufacturing Co.....	Thermometers.....	20.00
	Eberbach & Son.....	Gas regulator.....	4.00
14	G. A. Shehan.....	Lumber.....	6.93
	E. Morrison Paper Co.....	Mailing tubes.....	1.43
	J. A. Pierpoint.....	Tin boxes.....	17.50
	Henry H. Brown.....	Films.....	8.82
	Rudolph, West & Co.....	Hardware.....	2.59
25	Geo. P. Killian Co.....	Paper boxes.....	16.50
29	M. Du Perow.....	Fans.....	52.50
Sept. 5	Wyckoff, Seamans & Benedict.....	Adjusting typewriter.....	.60
7	United States Envelope Co.....	Envelopes.....	17.94
	Whitall, Tatum & Co.....	Vials.....	4.27
	The Randolph Paper Box Co.....	Boxes.....	97.50
17	Chas. P. Edmonston.....	Teakettle and pan.....	2.00
	Henry J. Green.....	Thermometers.....	18.00
	Total first quarter 1901.....		500.25
Oct. 1	Mackall Bros.....	Glycerin.....	4.40
5	The Chesapeake & Ohio Rwy. Co.....	Passenger transportation.....	31.50
15	Bausch & Lomb Optical Co.....	Micro-planar flange.....	30.00
30	Wm. H. Rupp.....	Envelopes.....	5.64
	Total second quarter.....		71.54

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BOTANICAL INVESTIGATION AND EXPERIMENTS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Jan. 15	W. H. Butler .....	Glass .....	\$7.92
Feb. 18	Wagner Typewriter Co .....	Typewriter .....	62.50
Mar. 18	Lemcke & Buechner .....	Botanical publication .....	4.90
21	W. H. Lowman .....	Smokestack .....	6.00
	Total third quarter .....		81.32
Apr. 2	Mackall Bros .....	Chemicals .....	2.21
June 14	Lemcke & Buechner .....	Botanical publication .....	11.23
	Total fourth quarter .....		13.44
	<i>Supplemental.</i>		
1901.			
July 5	B. H. Warner .....	Land rent .....	50.00

## RECAPITULATION.

Fourth quarter, 1900 .....	\$1,264.44
First quarter, 1901 .....	500.25
Second quarter, 1901 .....	71.54
Third quarter, 1901 .....	81.32
Fourth quarter, 1901 .....	13.44
Supplemental .....	50.00
Total .....	1,980.99

## RENT OF BUILDING.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 6	Jane E. Howlett .....	Rent, first quarter .....	\$180.00
1901.			
Jan. 5	.....do .....	Rent, second quarter .....	180.00
Apr. 2	.....do .....	Rent, third quarter .....	180.00
	<i>Supplemental.</i>		
July 16	Jane E. Howlett .....	Rent, fourth quarter .....	180.00
	Total .....		720.00

## ENTOMOLOGICAL INVESTIGATIONS.

1900.			
July 23	L. H. Harvey .....	Set of slides .....	\$10.00
24	L. O. Howard .....	Traveling expenses .....	7.80
31	E. A. Schwarz et al .....	Salaries .....	1,351.30
Aug. 1	The Publishers and Printers' Engraving Co .....	Engraving of insects .....	1.75
	.....do .....	.....do .....	2.73
	Addie L. Harvey .....	Specimens of Odonata .....	11.45
14	Mackall Bros .....	Alcohol, etc .....	10.68
	Z. D. Gilman .....	Flint bottles .....	3.00
17	F. C. Pratt .....	Traveling expenses .....	19.71
20	The Publishers and Printers' Engraving Co .....	Engraving, etc .....	8.84
	.....do .....	.....do .....	4.38
	The American Entomological Co. ....	Insect boxes .....	55.00
29	Jno. C. Parker .....	Letter books .....	24.00
30	F. C. Pratt .....	Traveling expenses .....	32.15
31	E. A. Schwarz et al .....	Salaries .....	1,339.07
Sept. 7	Z. D. Gilman .....	Dishes, etc .....	5.92
	Jno. Ackhurst .....	Net rings and cones .....	5.50
	.....do .....	Forceps .....	3.00
	Bausch & Lomb Optical Co .....	Field glasses .....	30.40
	Library Bureau .....	Cards .....	25.60
13	L. O. Howard .....	Expenses .....	8.35
	Frank Benton .....	Traveling expenses .....	26.30
17	Jno. Green .....	Triplet .....	13.00
	The Publishers and Printers' Engraving Co .....	Engraving .....	14.84
	Queen & Co., incorporated .....	Cases and expressage .....	3.75
	Chas. P. Edmonston .....	Strainers, etc .....	1.30
19	C. B. Simpson .....	Salary .....	196.77

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## ENTOMOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Sept. 24	The Geo. W. Knox Express Co.....	Transportation.....	\$14.05
	Southern Printers' Supply Co.....	Electros.....	.50
	Bausch & Lomb Optical Co.....	Burner, jars and labels.....	9.00
	The Publishers and Printers' Engraving Co.....	Engraving.....	2.19
29	E. A. Schwarz et al.....	Salaries.....	1,307.90
	Total first quarter.....		4,550.23
Oct. 2	C. B. Simpson.....	Traveling expenses.....	59.18
	American Press Clipping Bureau.....	Clippings.....	1.59
	Southern Printers' Supply Co.....	Electros.....	2.00
	L. O. Howard.....	Traveling expenses.....	24.00
5	Pennsylvania R. R. Co.....	Passenger transportation.....	74.25
15	Bernhard Hellmich.....	Photo on wood.....	1.75
16	American Press Clipping Bureau.....	Clippings.....	3.91
18	C. B. Simpson.....	Salary.....	100.00
24	Oregon Short Line R. R. Co.....	Passenger transportation.....	15.90
	The Oregon R. R. and Navigation Co.....	do.....	15.90
	D. Frank Parker.....	Mimeograph paper, etc.....	6.35
25	Southern Printers' Supply Co.....	Electros.....	5.00
26	L. O. Howard.....	Traveling expenses.....	8.80
30	E. Morrison Paper Co.....	Genn's covers.....	3.00
31	E. A. Schwarz et al.....	Salaries.....	1,367.24
Nov. 2	L. O. Howard.....	Expenses.....	6.95
	The Chesapeake and Potomac Telephone Co.....	Telephone service.....	6.25
12	S. P. Tresslar.....	Photos.....	5.00
17	Mackall Bros.....	Glycerin.....	2.75
	Bausch & Lomb Optical Co.....	Labels.....	3.75
	C. B. Simpson.....	Salary.....	106.67
19	Houghton & Delano.....	Photo supplies.....	2.76
27	Z. D. Gilman.....	Droppers.....	.50
30	E. A. Schwarz et al.....	Salaries.....	1,328.80
Dec. 3	The Publishers and Printers' Engraving Co.....	Engraving.....	1.75
	Jno. Green.....	Triplet lens.....	13.00
	American Press Clipping Bureau.....	Clippings.....	2.25
	E. Morrison Paper Co.....	Cardboard.....	2.45
	do.....	Genn's covers.....	1.00
5	R. Carter Ballantyne.....	Envelopes.....	3.40
17	Sigrid Gustafson.....	Photos.....	6.00
18	Library Bureau.....	Book supports.....	7.50
20	The Publishers and Printers' Engraving Co.....	Engravings.....	1.00
29	American Press Clipping Co.....	Clippings.....	1.35
	The Maurice Joyce Engraving Co.....	Engraving.....	5.40
	J. Mantz Engraving Co.....	do.....	50.00
31	E. A. Schwarz et al.....	Salaries.....	1,371.60
	Total second quarter.....		4,619.00
1901.			
Jan. 3	The Publishers and Printers' Engraving Co.....	Engraving.....	13.48
	do.....	do.....	19.81
7	Mackall Bros.....	Cotton.....	2.75
	United States Express Co.....	Transportation.....	3.11
14	Rudolph, West & Co.....	Nippers.....	1.14
19	The Publishers and Printers' Engraving Co.....	Engraving.....	4.00
21	Bausch & Lomb Optical Co.....	Camera lucida, etc.....	21.10
24	Richd. L. Lamb.....	Numbering machine.....	9.80
	Harry J. Green.....	Thermometers.....	2.50
26	E. D. Foresman.....	Cocoons.....	7.50
	American Press Clipping Bureau.....	Clippings.....	1.65
28	J. Mantz Engraving Co.....	Engravings.....	50.06
31	E. A. Schwarz et al.....	Salaries.....	1,402.70
Feb. 1	S. T. Kemp.....	Cocoons.....	4.00
2	E. A. Schwarz.....	Traveling expenses.....	207.16
	Jno. Green.....	Repairing lens.....	10.00
5	The Publishers and Printers' Engraving Co.....	Drawings for line engravings.....	20.71
	do.....	Engraving.....	1.75
6	The Pullman Co.....	Passenger transportation.....	11.00
11	C. B. Simpson.....	Traveling expenses.....	92.90
	The Publishers and Printers' Engraving Co.....	Engraving.....	25.57
	do.....	do.....	13.12
12	E. H. Rust.....	Photos.....	5.00
	Library Bureau.....	Cards.....	2.25
	The Publishers and Printers' Engraving Co.....	Engravings.....	3.50
	The Chesapeake and Potomac Telephone Co.....	Telephone rent.....	6.25
13	The Publishers and Printers' Engraving Co.....	Engravings.....	17.73
19	H. A. Morgan.....	Report.....	120.00



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## ENTOMOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Feb. 20	American Press Clipping Bureau .....	Clippings .....	\$1.56
	Allen's Press Clipping Bureau .....	do .....	6.00
23	Houghton & Delano .....	Lantern slides .....	4.00
	The Publishers and Printers' Engraving Co .....	Engravings .....	1.75
	do .....	do .....	1.75
	do .....	do .....	5.25
26	The Maurice Joyce Engraving Co .....	do .....	1.25
	Southern Printers' Supply Co .....	Electro .....	.25
	do .....	do .....	13.55
27	Adams Express Co .....	Transportation .....	19.38
28	E. A. Schwarz et al .....	Salaries .....	1,289.78
Mar. 1	Peter Fireman .....	Translation .....	5.00
13	Woodward & Lothrop .....	Pins .....	5.50
14	E. J. Pullman .....	Slides .....	6.00
	Houghton & Deiano .....	Photo supplies .....	9.60
15	W. D. Hunter .....	Salary .....	48.39
18	do .....	Traveling expenses .....	70.15
	Peter Henderson & Co .....	Mushroom spawn .....	.60
	Henry J. Green .....	Thermometers, etc .....	3.10
21	D. N. Walford .....	Knives .....	8.00
	B. F. T. Bell .....	Rings, etc .....	3.00
23	The Publishers and Printers' Engraving Co .....	Engravings .....	9.21
25	American Press Clipping Bureau .....	Clippings .....	1.50
	Mackall Bros .....	Alcohol .....	18.00
30	E. A. Schwarz et al .....	Salaries .....	1,443.20
	Total third quarter .....		5,056.25
Apr. 1	Northern Pacific Ry. Co .....	Passenger transportation .....	70.30
	Occidental and Oriental S. Ship Co .....	do .....	200.00
2	Church & Stevenson .....	Lumber .....	47.60
3	Bausch & Lomb Optical Co .....	Microscope, etc .....	64.85
6	Jno. C. Parker .....	Transfer cases .....	1.50
9	Southern Printers' Supply Co .....	Electros .....	.50
	Rudolph, West & Co .....	Locks, etc .....	1.47
10	Geo. C. Walker .....	Spray pump .....	15.00
	W. D. Hunter .....	Service .....	51.61
12	Henry A. Dreer, Inc. .....	Seeds .....	.60
	Queen & Co., Inc. .....	Insect pins .....	4.00
	The Publishers and Printers' Engraving Co .....	Engravings .....	14.00
16	Bausch & Lomb Optical Co .....	Slides, etc .....	7.61
	Whitall, Tatum & Co .....	Tubing and funnels .....	.56
	W. D. Hunter .....	Traveling expenses .....	76.70
17	American Press Clipping Bureau .....	Clippings .....	1.35
19	American Entomological Co .....	Nets, etc .....	11.00
20	Mackall Bros .....	Chloroform, etc .....	25.00
22	M. V. Slingerland .....	Lantern slides .....	78.00
	Houston and Texas Central R. R. Co .....	Passenger transportation .....	3.60
27	United States Express Co .....	Transportation .....	24.35
	Adams Express Co .....	do .....	22.99
29	A. L. Montandon .....	Specimens of insects .....	100.00
	The Publishers and Printers' Engraving Co .....	Engraving .....	3.90
30	E. A. Schwarz et al .....	Salaries .....	1,387.80
May 1	F. C. Pratt .....	Traveling expenses .....	24.45
3	The Chesapeake and Potomac Telephone Co .....	Telephone rent .....	6.25
6	Allen's Press Clipping Bureau .....	Clippings .....	6.00
7	L. O. Howard .....	Traveling expenses .....	34.25
9	W. D. Hunter .....	Salary .....	98.90
17	Rudolph, West & Co .....	Knives, etc .....	2.10
	Church & Stephenson .....	Lumber .....	35.75
	do .....	do .....	7.09
20	The Publishers and Printers' Engraving Co .....	Engravings .....	24.00
23	F. C. Pratt .....	Traveling expenses .....	18.65
24	W. D. Hunter .....	do .....	128.50
	J. Manz Engraving Co .....	Engravings .....	43.00
	do .....	do .....	49.00
	A. D. Hopkins .....	Report .....	300.00
	Library Bureau .....	Guides, etc .....	.50
27	Southern Rwy. Co .....	Passenger transportation .....	38.80
	Geo. F. Muth & Co .....	Atomizer .....	3.00
28	Western Union Telegraph Co .....	Service .....	3.84
	do .....	do .....	5.72
	do .....	do .....	1.21
	do .....	do .....	1.52
	do .....	do .....	.26
	The Maurice Joyce Engraving Co .....	Engraving plate .....	.56
	Elphonzo Young .....	California buhach .....	4.50

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## ENTOMOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
May 31	E. A. Schwarz et al	Salaries	\$1,392.40
June 3	American Press Clipping Bureau	Clippings	2.01
	Missouri, Kansas and Texas Rwy. Co.	Passenger transportation	4.60
	Houston and Texas Central R. R. Co.	do	7.90
	Pennsylvania R. R. Co.	do	45.50
7	Walter D. Hunter	Services	100.00
11	do	Traveling expenses	87.91
	Gustav Eisen	Services	60.00
13	A. N. Candell	Traveling expenses	93.10
	Houghton & Delano	Photographic supplies	4.75
14	The Globe Wernicke Co	Indexes	4.00
18	Jas. B. Lambie	Hardware	1.02
21	American Press Clipping Bureau	Clippings	3.45
	The Publishers and Printers' Engraving Co.	Engraving	25.12
	do	do	1.75
	Western Union Telegraph Co	Services	2.75
24	E. Morrison Paper Co	Mailing tubes	1.00
25	Galveston, Harrisburg and San Antonio Rwy. Co.	Passenger transportation	6.25
	New York, Texas and Mexican Rwy. Co.	do	3.80
	San Antonio and Aransas Pass Rwy. Co.	do	3.05
27	Mackall Bros	Carbon bisulphate, etc.	4.90
29	E. A. Schwartz et al	Salaries	1,402.80
	Total fourth quarter		6,310.14
	<i>Supplemental.</i>		
July 2	Noyes Bros. & Cutler	Net, etc.	7.55
5	Adams Express Co	Transportation	11.83
8	Walter D. Hunter	Salary	100.00
10	F. H. Chittenden	Traveling expenses	21.75
16	Ernest Betz	Making tank	37.00
17	Northrup, King & Co.	Spray	6.00
	Church & Stephenson	Lumber	30.80
	Geo. F. Muth & Co	Gasoline, etc.	2.77
	Rudolph, West & Co	Wire gauze, etc.	30.00
	S. P. Johnson	Typewriter roller	1.75
	M. Du Perow	Fan	12.90
	A. N. Candall	Traveling expenses	91.80
18	Bausch & Lomb Optical Co.	Scalpels, etc.	10.73
19	Mackall Bros	Tin boxes, etc.	28.50
	Houghton & Delano	Plates	5.29
	B. F. T. Bell	Circles, etc.	6.24
	R. P. Clarke Co	Muslin	2.10
	Library Bureau	Book supports	19.50
	United States Express Co	Transportation	2.61
22	Rudolph, West & Co	Locks, etc.	3.69
24	L. O. Howard	Expenses	2.33
25	C. B. Simpson	Salary	53.33
29	W. D. Hunter	Traveling expenses	105.75
Aug. 2	The Colorado and Southern R. R. Co.	Passenger transportation	3.70
	San Antonio and Aransas Pass Rwy. Co.	do	14.05
	Denver and Rio Grande R. R. Co.	do	16.00
	John C. Parker	Cases	3.00
5	International and Great Northern R. R. Co.	Passenger transportation	4.60
	The Texas Mexican Rwy. Co.	do	3.25
21	The Chesapeake & Potomac Telephone Co.	Service	6.25
24	C. B. Simpson	Traveling expenses	43.70
28	American Press Clipping Bureau	Clippings	6.09
Oct. 1	Jas. H. Thompson	Services	11.00
	Lehigh Valley R. R. Co.	Passenger transportation	68.90
	Total		774.76

## RECAPITULATION.

First quarter	\$4,550.23
Second quarter	4,619.00
Third quarter	5,056.25
Fourth quarter	6,310.14
Supplemental	774.76
Total	21,310.38

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## VEGETABLE PATHOLOGICAL INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1900.			
July 13	W. C. Nichols	Labor and materials	\$89.75
31	Erwin T. Smith et al.	Salaries	1,613.00
Aug. 1	Jas. S. Topham	Extension case	6.50
	Chicago House Wrecking Co.	Roofing	24.50
2	Hermann von Schrenk	Salary	50.00
	Geo. W. Hutchinson	Labor	4.50
3	Frank Dean	Services	40.00
	Houghton & Delano	Seed plates	4.98
10	do	Negative jackets	3.50
	Peter Henderson & Co.	Glazing points	3.60
14	E. Morrison Paper Co.	Sheets, etc.	1.25
	do	Bags	4.35
	do	Boxes	1.80
	Mackall Bros.	Acid	11.50
	F. W. Bolgiano	Blood	.50
	Rudolph, West & Co.	Nails	.12
16	M. B. Waite	Traveling expenses	36.55
	do	do	19.85
	do	Expenses	5.10
18	Newton B. Pierce	Salary	168.50
20	Chicago House Wrecking Co.	Steel roofing	5.25
21	United States Electric Lighting Co.	Lights	4.14
	Washington Gaslight Co.	Gas	1.60
23	D. B. Swingle	Office expenses	9.41
	do	Traveling expenses	6.30
	Chicago House Wrecking Co.	Steel roofing	15.75
25	Church & Stephenson	Lumber	215.87
	Hugh Reilly	Glass	204.00
29	Newton B. Pierce	Traveling expenses	48.59
	do	Expenses	3.15
	Jas. Frawley	Manure	4.50
	E. P. Schmitz	Baskets	3.96
	Thos. Somerville & Son	Hardware	62.79
31	Erwin T. Smith et al.	Salaries	1,449.39
Sept. 4	D. B. Swingle	Salary	19.35
5	Houghton & Delano	Seed plates	4.98
	do	Rubber tray	.85
	H. J. Webber	Expenses	25.05
	Jno. C. Moninger Co.	Material	133.31
6	B. F. Galloway	Traveling expenses	9.50
	Frank Dean	Salary	40.00
7	Peter Henderson & Co.	Bulbs	21.00
	Bausch & Lomb Optical Co.	Lens, etc.	28.17
	Whithall, Tatum & Co.	Jars	9.12
8	H. J. Webber	Traveling expenses	55.62
12	United States Electric Lighting Co.	Electric current	4.44
	Washington Gaslight Co.	Gas	1.50
	Z. D. Gilman	Graduates	.76
13	Hermann von Schrenk	Salary	50.00
15	Houghton & Delano	Photographic paper	.30
17	The Durable Cement Post Co.	Fence posts and freight	12.08
	E. A. Ormsby	Ventilation apparatus	110.00
	Jas. B. Lambie	Nails	15.82
	Arthur de Jaczewski	Specimens	5.70
	Jno. C. Parker	Pamphlet covers	28.00
	H. J. Webber	Traveling expenses	25.30
24	Library Bureau	Index cards	3.20
	Thos. Somerville & Sons	Spray pump	4.75
29	Erwin F. Smith et al.	Salaries	1,498.11
	Total first quarter		6,231.46
Oct. 1	Mackall Bros.	Ammonia water	2.81
2	M. A. Carleton	Salary	73.37
4	Frank Dean	do	40.00
5	Hermann von Schrenk	Traveling expenses	62.80
	Pennsylvania R. R. Co.	Passenger transportation	17.00
	The Chesapeake and Ohio Rwy. Co.	do	19.50
	Southern Rwy. Co.	do	22.33
	The Wabash R. R. Co.	do	10.50
	Denver and Rio Grande R. R. Co.	do	18.00
	Atlantic Coast Line R. R. Co.	do	8.59
	Norfolk and Washington Steamboat Co.	do	8.75
8	W. A. Orton	Traveling expenses	83.31
	do	Expenses	13.27
9	Newton B. Pierce	Salary	331.50
	Hermann von Schrenk	do	50.00
10	do	Traveling expenses	72.75
12	Z. D. Gilman	Vials	5.00
	Mackall Bros.	Chemicals	6.62



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 16	Houghton & Delano	Plates and films	\$5.52
	United States Electric Lighting Co	Electric current	4.00
	Washington Gaslight Co	Gas	2.40
	Rudolph, West & Co.	Hardware	28.61
20	Thos. W. Smith	Siding, etc	33.38
23	M. B. Waite	Traveling expenses	99.39
	do	Expenses	9.80
24	Southern Rwy. Co	Passenger transportation	18.83
	do	do	8.51
	Chicago and Northwestern Rwy. Co.	do	9.80
	Pennsylvania R. R. Co	do	48.00
	Illinois Central R. R. Co	do	10.06
	The Wabash R. R. Co	do	4.35
25	Houghton & Delano	Solio paper	6.90
26	Hermann von Schrenk	Expenses	15.25
30	Woodward & Lothrop	Sheeting	2.00
	Geo. F. Muth & Co.	Lead and putty	19.60
31	Erwin F. Smith et al	Salaries	1,654.61
Nov. 1	Marine Biological Laboratory	Use of table	100.00
	Jennings Bros	Pipe fittings	80.36
2	Chas. Dean	Labor	5.00
	Eimer & Amend	Erythrosin	.51
	R. P. Clarke Co	Toweling	6.25
	J. Baumgarten & Sons	Rubber type	3.40
	The Chesapeake and Potomac Telephone Co	Telephone service	6.25
3	Frank Dean	Salary	40.00
5	Houghton & Delano	Chloride gold	.82
6	Northern Pacific Rwy. Co	Passenger transportation	4.55
12	G. L. Taber	Orange trees	24.60
17	Library Bureau	Index cards	2.45
	Bausch & Lomb Optical Co.	Photographic supplies	6.10
	Church & Stephenson	Lumber	235.55
	do	do	18.43
19	Houghton & Delano	Photographic supplies	9.23
20	Mackall Bros	Acids, etc	18.13
	Arthur de Jazewski	Specimens	4.92
21	Church & Stephenson	Lumber	27.54
26	E. C. Rittne	Traveling expenses	7.45
27	United States Electric Lighting Co	Electric current	5.64
	Thos. Somerville & Sons	Repairing table	7.04
	Washington Gaslight Co.	Gas	2.20
	Hugh Reilly	Glass	44.00
	Rudolph, West & Co	Screws and lock	2.63
30	Erwin F. Smith et al	Salaries	1,543.20
Dec. 3	J. W. Killen	Planting sweet potatoes	30.00
	A. Corell	Hauling	1.50
	Eimer & Amend	Plate holder, etc	12.32
	A. C. McClurg & Co.	Ledgers	1.80
	J. Manz Engraving Co	Engravings	30.00
	Houghton & Delano	Paper, etc	1.75
	E. Morrison Paper Co.	Bags	.92
5	Forsberg & Murray	Grate bars, etc	42.25
	Northern Pacific Rwy. Co	Passenger transportation	24.35
	Pennsylvania Co	do	17.50
	Atlantic Coast Line R. R. Co.	do	23.23
	Thos. Somerville & Sons	do	224.84
	Frank Dean	Salary	40.00
14	Newton B. Pierce	do	168.50
	do	Traveling expenses	3.65
	Herman von Schrenk	Salary	100.00
	The Friedenwald Co.	Tissue	12.00
	P. J. Kipp & Zouen	Microtome, etc	140.43
	Jno. C. Parker	Tags	4.35
17	Louis Hopfenmaier	Radiator	12.00
19	M. A. Carleton	Expenses	31.54
21	United States Electric Lighting Co	Electric lights	3.54
	Washington Gaslight Co.	Gas	1.70
	H. L. Galloway	Rent and care of land	14.60
26	H. J. Webber	Traveling expenses	79.65
29	Jas. B. Lambie	Sash cord	1.66
	do	Nails	3.20
31	E. F. Smith et al	Salaries	1,593.40
	Total, second quarter		7,652.09
1901.			
Jan. 2	Pennsylvania R. R. Co	Passenger transportation	6.00
3	Whitall, Tatum & Co	Jars	2.68
5	Frank Dean	Salary	40.00
7	Church & Stevenson	Lumber	4.80

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Jan. 7	United States Express Co.	Transportation	\$2.05
14	Rudolph, West & Co.	Screws, etc.	1.10
	Mackall Bros.	Chemicals	1.27
	Z. D. Gilman.	Glass bottles	7.00
	Chas. Becker	Oil	18.00
16	N. B. Pierce	Expenses	146.70
	United States Electric Lighting Co.	Electric current	3.78
	Washington Gaslight Co.	Gas	1.50
	Thos. Somerville & Sons.	Fittings, pipe, etc.	94.41
18	Frank Dean	Salary	19.35
	The Maurice Joyce Engraving Co.	Engraving	6.00
21	Whitall, Tatum & Co.	Flasks	.77
	Bausch & Lomb Optical Co.	Cylinder	.66
22	Washington Gaslight Co.	Gas connections	25.00
	Thos. Somerville & Sons	Pipe, etc.	24.54
	do	Fittings	.91
23	Erwin F. Smith	Traveling expenses	28.60
29	Mackall Bros.	Sulphuric acid	2.40
30	Newton B. Pierce	Salary	163.00
	do	do	168.50
31	Erwin F. Smith et al.	Salaries	1,598.82
Feb. 1	P. F. Van Everen	Library numbers	1.50
2	Houghton & Delano.	Photographic supplies	9.81
	do	Solio paper	7.40
5	Herman von Schrenk	Salary	100.00
6	Seaboard Air Line Rwy. Co.	Passenger transportation	22.65
	Charleston and Savannah Rwy. Co.	do	8.60
	New York Central and Hudson River R.R. Co.	do	9.47
	Michigan Central R. R. Co.	do	2.40
	Pennsylvania Co.	do	13.50
	Southern Rwy. Co.	do	19.91
	do	do	3.89
	Pennsylvania R. R. Co.	do	8.70
7	H. C. Henrickson	Salary	20.65
11	E. L. Brady & Co.	Fertilizer	19.60
	Thos. W. Smith	Lumber	13.76
	do	do	197.85
12	Bausch and Lomb Optical Co.	Covers	3.04
	E. Morrison Paper Co.	Herbarium paper	13.50
	The Chesapeake and Potomac Telephone Co.	Telephone rent	6.25
20	Newton B. Pierce	Traveling expenses	4.85
	do	Expenses	44.10
	do	do	44.34
	do	Traveling expenses	18.45
	Newton B. Pierce	Salary	172.20
21	Stephenson's Express	Transportation	1.94
23	Houghton & Delano.	Chloride gold	2.46
	do	Plates	1.20
	do	Toning solution	1.00
	do	Plates	.94
	do	Solio paper	12.05
26	Geo. F. Muth & Co.	Turpentine	1.06
	Thos. Somerville & Sons.	Laboratory fittings	4.70
	Blue Line Transfer Co.	Transportation	8.27
	E. Morrison Paper Co.	Copy paper	4.00
	United States Electric Lighting Co.	Electric current	2.86
	Washington Gaslight Co.	Gas	1.70
27	Chicago, Rock Island and Pacific Rwy. Co.	Passenger transportation	6.60
	Adams Express Co.	Transportation	13.36
28	Erwin F. Smith et al.	Salaries	1,451.86
Mar. 5	H. C. Henrickson	Salary	40.00
15	J. Manz Engraving Co.	Engraving	7.50
16	H. J. Webber	Expenses	4.50
18	E. Fireman	Translating	10.00
19	Mackall Bros.	Chemicals	5.92
21	W. M. Whyte	Zinc labels	9.00
25	Mackall Bros.	Carbon, etc.	7.50
	Washington Gaslight Co.	Gas	1.70
	The Chesapeake and Potomac Telephone Co.	Moving telephone	2.75
	United States Electric Lighting Co.	Electric current	3.61
	H. J. Webber	Expenses	2.25
30	Erwin F. Smith et al.	Salaries	1,302.49
	Total, third quarter		6,045.48
Apr. 1	Jno. C. Parker	Dictionary stand	4.50
	Grand Rapids and Indiana Rwy. Co.	Passenger transportation	16.60

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Apr. 4	Herman von Schrenk	Salary	\$100.00
	H. C. Henricksen	do	40.00
9	M. B. Waite	Traveling expenses	4.30
12	Library Bureau	Index cards	3.20
16	N. B. Pierce	Salary	172.20
	do	do	155.60
	Z. D. Gilman	Cotton	1.20
	Thos. Somerville & Sons	Brackets, etc.	6.05
	Mackall Bros	Photos chloride	2.50
20	United States Electric Lighting Co.	Electric current	4.21
	Washington Gaslight Co.	Gas	1.20
	Houghton & Delano	Photographic supplies	13.08
	J. E. Lumnus	Soap, etc.	1.55
27	N. B. Pierce	Traveling expenses	23.60
	do	Expenses	163.60
	United States Express Co.	Transportation	14.01
	American Express Co.	do	18.67
30	E. F. Smith et al	Salaries	1,263.11
May 3	The Chesapeake and Potomac Telephone Co	Telephone rent	6.25
	do	do	4.10
	H. C. Henrickson	Salary	40.00
4	W. A. Orton	Expenses	73.13
	do	Traveling expenses	46.48
6	Herman von Schrenk	Expenses	12.05
9	Frank T. Budge	Plow, etc.	9.21
16	United States Electric Lighting Co	Electric current	4.54
	Mackall Bros	Soda	2.85
	E. Morrison Paper Co	Paper	8.00
	Houghton & Delano	Photographic supplies	50.19
17	Thos. Somerville & Sons	Apparatus	10.30
24	Newton B. Pierce	Salary	164.80
	H. A. McComb	Labor	10.80
27	Pennsylvania R. R. Co	Passenger transportation	15.85
	Church & Stephenson	Lumber	7.28
	do	do	8.00
28	Mackall Bros	Acid, etc.	19.47
29	M. B. Waite	Traveling expenses	11.45
	M. A. Carleton	do	17.59
31	E. F. Smith et al	Salaries	1,359.94
June 4	Washington Gaslight Co	Gas	2.30
	do	do	1.20
	do	do	1.00
5	H. C. Henrickson	Salary	40.00
	H. von Schrenk	do	100.00
11	do	Expenses	7.75
	do	do	16.40
	Z. D. Gilman	Blue pencils	1.98
14	H. von Schrenk	Traveling expenses	34.60
	J. B. Ellis	Book	5.00
	Carl Zeiss	Postage on objectives	.43
	M. B. Waite	Traveling expenses	7.80
15	E. Morrison Paper Co	Paste and ink	1.25
18	Whitall, Tatum & Co	Vials and jars	5.67
	M. A. Carleton	Traveling expenses	29.65
25	Grand Trunk Rwy. Co	Passenger transportation	4.23
	Southern Rwy. Co	do	26.00
	do	do	5.20
	Houghton & Delano	Seed plates	4.22
27	United States Electric Lighting Co.	Electric current	4.57
	Washington Gaslight Co.	Gas	2.20
	do	do	10
	Mackall Bros	Chemicals, etc.	10.07
	Newton B. Pierce	Salary	170.40
29	Erwin F. Smith et al	Salaries	1,347.51
	Total, fourth quarter		5,720.39
	<i>Supplemental.</i>		
July 1	H. von Schrenk	Salary	50.00
2	E. J. Pullman	Photographic paper	1.50
5	Adams Express Co	Transportation	12.22
9	Library Bureau	Cards	2.90
11	H. C. Henrickson	Salary	40.00
13	J. W. Watson	Tools	6.10
	Chase & Harney	Tobacco dust	5.13
16	G. G. Hedgcock	Traveling expenses	11.51
17	J. C. Arthur	Specimens	3.10
	N. B. Pierce	Salary	164.80
18	Bausch & Lomb Optical Co	Triplet	3.07



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## VEGETABLE PATHOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901.			
July 19	H. von Schrenk .....	Expenses .....	\$36.05
	Houghton & Delano .....	Photographic supplies .....	9.35
	United States Electric Lighting Co. ....	Electric current .....	3.68
	Washington Gaslight Co. ....	Gas .....	1.70
20	E. Morrison Paper Co. ....	Bags .....	12.08
	J. W. Vestal .....	Sweet potato plants .....	2.50
22	E. J. Pullman .....	Photo supplies .....	7.00
	do .....	do .....	42.15
	Stark Bros. Nurseries and Orchard Co. ....	Grafting, etc. ....	24.00
24	Woodward & Lothrop .....	Boiler .....	3.85
25	N. B. Pierce .....	Traveling expenses .....	27.25
	do .....	Expenses .....	172.50
	F. W. Faurot .....	Traveling expenses .....	27.80
29	C. P. Hartley .....	do .....	53.90
	do .....	Expenses .....	3.60
30	J. C. Parker .....	Pamphlet cases .....	10.50
Aug. 2	R. W. Pow .....	Expressage .....	1.50
	R. C. Ballantyne .....	Tags .....	9.86
	Southern Rwy. Co. ....	Passenger transportation .....	10.40
	do .....	do .....	10.40
	do .....	do .....	10.40
	do .....	do .....	5.20
	do .....	do .....	10.60
	do .....	do .....	10.05
6	Sheetz & Bishop .....	Camera, etc. ....	66.20
10	C. R. Edmonston .....	Stew pans .....	.51
	W. B. Moses & Sons .....	Coolers .....	4.25
21	The Chesapeake and Potomac Telephone Co. ....	Services .....	12.50
	do .....	do .....	1.00
Sept. 21	F. W. Faurot .....	Expenses .....	5.50
	W. A. Orton .....	do .....	49.56
Oct. 4	Cincinnati and Muskingum Valley R. R. Co.	Passenger transportation .....	1.45
	The Lake Shore and Michigan Southern Rwy. Co.	do .....	17.50
	The Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	do .....	2.80
5	Southern Rwy. Co. ....	do .....	5.20
	The Chesapeake and Ohio Rwy. Co. ....	do .....	14.00
	Baltimore and Ohio Rwy. Co. ....	do .....	12.75
	Total .....		997.87

## RECAPITULATION.

First quarter .....	\$6,231.46
Second quarter .....	7,652.09
Third quarter .....	6,045.48
Fourth quarter .....	5,720.39
Supplemental .....	997.87
Total .....	26,647.29

## RENT OF BUILDING.

Date.	Name.	Nature of payment.	Total.
1900.			
Aug. 14	Jno. F. Shea .....	Rent .....	\$55.00
Sept. 5	do .....	do .....	55.00
	Total first quarter .....		110.00
Oct. 20	Jno. F. Shea .....	Rent .....	55.00
Nov. 13	do .....	do .....	55.00
Dec. 6	do .....	do .....	55.00
	Total second quarter .....		165.00
1901.			
Jan. 7	Jno. F. Shea .....	Rent .....	55.00
Feb. 2	do .....	do .....	55.00
Mar. 2	do .....	do .....	55.00
	Total third quarter .....		165.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## RENT OF BUILDING—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Apr. 3	Jno. F. Shea .....	Rent .....	\$55.00
May 2	do .....	do .....	55.00
June 11	do .....	do .....	55.00
	Total fourth quarter .....		165.00
	<i>Supplemental.</i>		
July 17	Jno. F. Shea .....	Rent .....	55.00
	Total .....		660.00

## BIOLOGICAL INVESTIGATIONS.

1900.			
July 10	Sheetz & Bishop .....	Photo supplies .....	\$47.89
17	Wm. Wagner .....	Shells, etc. ....	11.64
19	Sheetz & Bishop .....	Kodak, etc. ....	22.00
24	W. P. Melville .....	Birds' stomachs .....	7.10
	W. W. Worthington .....	do .....	5.00
31	E. A. Goldman .....	Salary .....	117.90
	E. W. Nelson .....	do .....	151.60
	W. H. Osgood et al .....	Salaries .....	471.70
Aug. 1	F. P. May & Co .....	Iron cans .....	1.50
	Vernon Bailey .....	Salary .....	168.50
7	W. H. Osgood .....	Traveling expenses .....	120.80
8	E. C. Gill, jr. ....	Birds' stomachs .....	6.00
10	W. W. Worthington .....	do .....	8.39
	A. H. Verrill .....	Photos, birds and mammals .....	2.50
	Houghton & Delano .....	Solio paper .....	10.30
	do .....	Cramer crown plates .....	7.08
11	W. K. Fisher .....	Salary .....	100.00
	Whitall, Tatam & Co .....	Shell vials and corks .....	22.09
	E. R. Warren .....	Photos, birds and mammals .....	4.50
	H. E. Wilder .....	Birds' stomachs .....	1.43
14	Sheetz & Bishop .....	Developing plates .....	10.20
	Houghton & Delano .....	Crown plates, etc. ....	5.40
	Mackall Bros .....	Cotton batting .....	7.95
	Z. D. Gilman .....	Scissors, etc. ....	7.30
16	Vernon Bailey .....	Traveling expenses .....	60.00
20	Hudson Bay Co. ....	Passenger transportation, etc. ....	300.00
23	Allen Brooks .....	Mammals and birds .....	17.60
24	Jno. C. Parker .....	Record books .....	7.20
	Harry C. Oberholser .....	Traveling expenses .....	57.03
25	Andrew B. Graham .....	Photolithographing .....	37.50
	Harry C. Oberholser .....	Traveling expenses .....	134.97
	F. P. May & Co .....	Mouse traps .....	63.60
31	W. H. Osgood et al .....	Salaries .....	337.50
Sept. 1	E. A. Goldman .....	Salary .....	117.90
4	Vernon Bailey .....	do .....	168.50
	E. W. Nelson .....	do .....	151.60
	W. K. Fisher .....	do .....	100.00
5	Houghton & Delano .....	Photo supplies .....	7.10
	C. D. Gilbert .....	Birds' stomachs .....	1.50
7	W. W. Worthington .....	do .....	2.00
12	F. P. May & Co .....	Steel traps .....	15.00
17	Jas. B. Lambie .....	Excelsior, etc. ....	1.93
18	The Hudson Bay Co .....	Passenger transportation, etc. ....	300.00
19	Ralph G. Johnson .....	Mammals .....	6.90
	Sheetz & Bishop .....	Developing plates .....	1.80
29	W. H. Osgood et al .....	Salaries .....	375.00
	Total first quarter .....		3,633.40
Oct. 1	Walter K. Fisher .....	Salary .....	100.00
	E. A. Goldman .....	do .....	114.20
	Vernon Bailey .....	do .....	163.00
	E. W. Nelson .....	do .....	146.80
2	J. Manz Engraving Co .....	Views .....	27.00
4	The Publishers and Printers Engraving Co .....	Engraving .....	29.03
5	The Atchison, Topeka and Santa Fe Rwy. Co. ....	Passenger transportation .....	23.35
8	C. Hart Merriam .....	Traveling expenses .....	390.25
	do .....	Expenses .....	32.33
10	Walter K. Fisher .....	Traveling expenses .....	33.15
12	Vernon Bailey .....	do .....	90.00
	Z. D. Gilman .....	Corks .....	7.50

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BIOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 12	Mackall Bros	Arsenic	\$3.25
	Sheetz & Bishop	Negative albums	4.00
16	The Hudson Bay Co.	Supplies and subsistence furnished.	451.79
23	Edward A. Preble	Traveling expenses	31.80
	do	do	2.75
	do	Expenses	46.15
	do	do	40.00
	do	do	45.00
	Allan Brooks	Mammals	24.50
24	Ft. Worth and Denver City Rwy. Co.	Passenger transportation	38.15
	Santa Fe Pacific R. R. Co.	do	51.50
26	W. H. Osgood	Traveling expenses	80.90
	do	do	85.50
31	W. H. Osgood et al.	Salaries	387.50
Nov. 1	E. W. Nelson	Salary	151.60
	E. A. Goldman	do	117.90
	Vernon Bailey	do	168.50
	The Polmer & Schwing Manufacturing Co.	Photo supplies	21.04
2	The Chesapeake and Potomac Telephone Co.	Telephone service	6.25
3	Harry Hoskinson	Films	10.50
12	W. E. Snyder	Birds' stomachs	18.30
15	J. K. Hillers	Photo plates	8.74
17	Sheetz & Bishop	Negative albums	5.50
19	Houghton & Delano	Photo supplies	12.05
23	Walter K. Fisher	Photos	38.00
28	C. Hart Merriam	Traveling expenses	33.50
	T. S. Palmer	do	9.60
	do	do	23.45
30	W. H. Osgood et al.	Salaries	375.00
Dec. 1	E. W. Nelson	Salary	146.80
	Vernon Bailey	do	163.00
	E. A. Goldman	do	114.20
3	Outram Bangs	Mammals	25.10
5	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	Passenger transportation	16.00
	Baltimore and Ohio R. R. Co.	do	17.50
	Great Northern Rwy. Co.	do	77.10
	W. H. Osgood	Traveling expenses	149.60
7	do	do	49.55
10	A. K. Fisher	do	24.75
11	The Maurice Joyce Engraving Co.	Engraving	22.14
14	W. E. Snyder	Birds' stomachs	2.00
	F. W. Nelson	Mammals	57.50
17	Mackall Bros	Potassium nitrate	3.00
	Z. D. Gilman	Rubber stoppers	.97
26	F. P. May & Co	Rat traps	6.00
31	Alfred R. Dotin et al.	Salaries	387.50
	Total second quarter		4,712.04
1901.			
Jan. 2	E. W. Nelson	Salary	151.60
	Vernon Bailey	do	168.50
	Alaska Commercial Co.	Transportation	9.75
3	E. A. Goldman	Salary	117.90
5	A. G. Maddren	Skulls	9.00
	Byron Stowell	do	2.50
7	United States Express Co	Transportation	21.65
14	Houghton & Delano	Photo supplies	17.70
	E. Morrison Paper Co.	Ink	1.00
16	T. S. Palmer	Traveling expenses	10.10
19	Sheetz & Bishop	Photo supplies	68.80
	E. C. Gill, jr	Birds' stomachs	4.95
22	E. Morrison Paper Co.	Strawboard	4.62
24	N. R. Streeter & Co	Mouse trap	8.00
	J. M. Hayes	Mammal	10.00
29	Mackall Bros	Alum, etc	6.44
30	Otto Holstein	Birds' stomachs	1.85
31	A. R. Doten et al.	Salaries	396.00
Feb. 1	E. A. Goldman	Salary	120.60
	E. W. Nelson	do	155.00
	Vernon Bailey	do	172.20
5	Witmer Stone	Mammals	20.25
	C. J. Crandall & Co.	Photos	6.15
	P. B. Peabody	Negatives	7.00
6	Union Pacific R. R. Co.	Passenger transportation	30.25
	Northern Pacific Rwy. Co.	do	5.20
	Baltimore and Ohio R. R. Co.	do	10.00



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BIOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Feb. 11	Witmer Stone	Mammals	\$43.75
12	Rochester Optical and Camera Co	Repairs to camera	2.00
	Dill & Collins	Paper	100.80
	The Chesapeake and Potomac Telephone Co.	Telephone rent	6.25
19	Albert T. Ganier	Birds' stomachs	2.60
	Chas. M. Barber	Mammals	2.00
20	T. S. Palmer	Traveling expenses	15.00
23	Houghton & Delano	Photo supplies	6.83
	Thora Steineger	Salary	40.76
26	The Maurice Joyce Engraving Co	Engraving	2.00
	Rudolph, West & Co	Paste brushes	2.10
27	Adams Express Co.	Transportation	31.13
28	Vernon Bailey	Salary	155.60
	The Publishers and Printers' Engraving Co.	Engravings	11.17
Mar. 1	A. R. Doten et al	Salaries	380.22
	Houghton & Delano	Films	19.20
	T. S. Palmer	Traveling expenses	8.17
	E. W. Nelson	Salary	140.00
	E. A. Goldman	do	108.80
2	The Folmer & Schwing Manufacturing Co.	Plate holder	13.50
12	Jno. Cairnes	Mammals	4.00
13	Fred A. Schmidt	Steel tapes	9.60
14	Rudolph, West & Co	Card holder	3.25
	The Geo. W. Knox Express Co	Transportation	3.36
15	J. Manz Engraving Co	Engraving	5.00
18	Peter Schmid	Mammals	9.00
	W. E. Snyder	Birds' stomachs	2.35
	do	do	4.45
	H. H. Dunn	do	1.50
	E. R. Warren	Photos	5.10
20	T. S. Palmer	Traveling expenses	4.70
21	J. K. Hillers	Developing plates	10.26
	H. H. Dunn	Birds' stomachs	3.20
23	Whitall, Tatum & Co.	Vials, etc.	9.13
27	Walter K. Fisher	Mammals	25.00
	Beasley & Parr	do	4.00
29	W. E. Clyde Todd	Birds' stomachs	6.85
30	A. R. Doten et al	Salaries	499.30
	Total third quarter		3,238.94
Apr. 1	E. A. Goldman	Salary	120.60
	E. W. Nelson	do	155.00
	Vernon Bailey	do	172.20
	Pennsylvania R. R. Co	Passenger transportation	10.00
	Southern Pacific Co	do	3.25
	do	do	5.55
3	H. H. Dunn	Birds' stomachs	3.20
10	H. C. Oberholser	Traveling expenses	29.60
	The J. C. Ergood Co	Soapine	2.87
	Rudolph, West & Co	Wire	1.06
	Z. D. Gilman	Court-plaster	.50
	Jno. C. Parker	File book	1.25
12	Louis Fuertes	Drawings of birds	120.00
	The Publishers and Printers' Engraving Co.	Engraving	12.00
	Peter Schmid	Mammals	8.00
	E. P. Alexander	Birds' stomachs	2.43
	Jas. Dawson	Mammals	6.50
16	J. Manz Engraving Co	Engravings	20.00
	Mackall Bros	Arsenic	3.25
17	Alex. Gow	Birds' stomachs	1.50
19	G. F. Dippie	Skins and skulls	29.00
	W. W. Worthington	Birds' stomachs	4.45
20	Houghton & Delano	Plates and paper	5.14
	F. P. May & Co	Traps	18.00
24	H. H. Dunn	Birds' stomachs	3.00
	Wyckoff, Seamans & Benedict	Letter paper	10.08
	Sheetz & Bishop	Films	46.80
	Colburn Lockwood Co	Tanning mammals	16.50
27	United States Express Co	Transportation	32.15
	Adams Express Co.	do	14.49
29	F. A. Lockhart	Photos	30.00
	Peter Schmid	Mammals	3.00
	Will. C. Colt	Birds' stomachs	1.50
30	Vernon Bailey	Salary	164.80
	A. R. Doten et al	Salaries	503.10
May 1	W. Wagner	Shells, etc.	28.66

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## BIOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
May 1	Jas. S. Topham .....	Leather handles .....	\$0.75
	E. A. Goldman .....	Salary .....	115.40
	E. W. Nelson .....	do .....	148.30
3	The Chesapeake and Potomac Telephone Co. ....	Telephone rent .....	6.25
6	Jas. B. Monroe .....	Mammals .....	3.00
	Jas. Dawson .....	do .....	3.00
	W. J. Yeager .....	do .....	1.50
8	Western Union Telegraph Co .....	Telegraph service .....	5.48
	do .....	do .....	2.40
16	Houghton & Delano .....	Photo supplies .....	17.71
	Z. D. Gilman .....	Flax tow, etc .....	12.21
17	Rudolph, West & Co .....	Wire, etc .....	1.85
20	H. C. Oberholzer .....	Traveling expenses .....	172.75
24	A. L. Bolton .....	Mammals .....	5.00
	E. R. Warren .....	Photo prints .....	.90
	Bausch & Lomb Optical Co .....	Slides .....	1.50
27	The Chesapeake and Ohio Rwy. Co .....	Passenger transportation .....	44.50
	Sheetz & Bishop .....	Albums, etc .....	15.45
	Wm. Wagner .....	Cartridges .....	5.00
28	Western Union Telegraph Co .....	Service .....	5.11
	do .....	do .....	3.69
	do .....	do .....	2.70
	do .....	do .....	1.28
	Sylvester D. Judd .....	Traveling expenses .....	10.50
31	A. R. Doten et al .....	Salaries .....	518.80
June 1	Vernon Bailey .....	Salary .....	170.40
3	Defender Photo Supply Co .....	Photo paper .....	2.40
	W. E. Snyder .....	Birds' stomachs .....	8.95
	Mackey & Dippie .....	Mammal specimens .....	24.85
	E. A. Goldman .....	Salary .....	119.20
	E. W. Nelson .....	do .....	153.40
5	H. C. Oberholzer .....	Traveling expenses .....	60.20
	H. H. Dunn .....	Birds' stomachs .....	3.00
11	F. P. May & Co .....	Mouse traps .....	46.50
	Z. D. Gilman .....	Needles, etc .....	.75
13	Houghton & Delano .....	Photographic supplies .....	10.33
	Rudolph, West & Co .....	Wire .....	8.71
14	W. W. Worthington .....	Birds' stomachs .....	6.55
15	Doremus Manufacturing Co .....	Steelyard .....	10.00
21	F. E. L. Beal .....	Traveling expenses .....	43.55
	Western Union Telegraph Co .....	Service .....	8.69
	S. H. Lyman .....	Birds' stomachs .....	5.00
28	Wyckoff, Seamans & Benedict .....	Repairs to typewriter .....	.90
29	A. R. Doten et al .....	Salaries .....	503.10
	Total fourth quarter .....		3,880.94
	<i>Supplemental.</i>		
July 1	E. A. Goldman .....	Salary .....	115.40
	E. W. Nelson .....	do .....	148.30
	Vernon Bailey .....	do .....	164.80
	do .....	Traveling expenses .....	79.50
5	W. E. Snyder .....	Birds' stomachs .....	7.50
	Adams Express Co .....	Transportation .....	27.42
8	A. H. Verrill .....	Photos .....	4.75
9	F. E. L. Beal .....	Traveling expenses .....	54.98
12	Vernon Bailey .....	do .....	100.50
17	Houghton & Delano .....	Plates .....	2.12
	H. C. Oberholzer .....	Traveling expenses .....	52.50
	United States Express Co .....	Transportation .....	34.52
29	Z. D. Gilman .....	Scissors .....	1.10
	Howard Lacy .....	Mammals .....	13.50
Aug. 2	Thos. H. Hambright .....	do .....	6.10
	Jno. C. Parker .....	Cases, etc .....	10.15
	E. Morrison Paper Co .....	Scrapbooks .....	4.00
	Galveston, Harrisburg and San Antonio Rwy. Co. ....	Passenger transportation .....	8.90
12	The Geo. W. Knox Express Co .....	Transportation .....	9.31
21	The Chesapeake and Potomac Telephone Co. ....	Service .....	6.25
29	The American Distributing Co .....	Alcohol .....	24.95
Oct. 5	Florida East Coast R. R. Co .....	Passenger transportation .....	20.60
12	Postal Telegraph Cable Co .....	Service .....	2.84
	Total .....		899.99

## 102 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## RECAPITULATION.

First quarter.....	\$3,633.40
Second quarter.....	4,712.04
Third quarter.....	3,238.94
Fourth quarter.....	3,880.94
Supplemental.....	899.99
Total.....	16,365.31

## POMOLOGICAL INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1900.			
July 31	W. P. Corsa et al.	Salaries	\$670.69
Aug. 14	E. J. Pullman	Chemical supplies	1.62
17	Wm. A. Taylor	Traveling expenses	35.00
29	do	do	33.80
31	W. P. Corsa et al.	Salaries	823.40
Sept. 5	Houghton & Delano.	Plates	3.51
24	do	Developer	1.00
29	Rochester Optical and Camera Co	Repairs to camera	.95
	W. P. Corsa et al.	Salaries	803.20
	Total first quarter		2,373.17
Oct. 25	Houghton & Delano.	Plates	2.34
30	Geo. F. Muth & Co.	Wax, wire, etc	2.75
	Richard L. Lamb	Stamp rack	.65
Nov. 21	W. P. Corsa et al.	Salaries	771.79
31	E. Morrison Paper Co.	Herbarium paper	9.00
	Houghton & Delano.	Seed plates, etc	2.56
Dec. 30	W. P. Corsa et al.	Salaries	703.20
5	Pennsylvania R. R. Co.	Passenger transportation	6.50
8	Wm. A. Tabor	Traveling expenses	51.18
17	Mackall Bros	Hyposulp. soda	.40
18	Library Bureau	Cards	12.20
31	Wm. P. Corsa et al.	Salaries	723.40
	Total second quarter		2,285.97
1901.			
Jan. 31	W. P. Corsa et al.	Salaries	732.20
Feb. 2	Houghton & Delano.	Plates, etc	2.88
5	Cheshire Manufacturing Co	Tree labels	6.38
6	The Chicago, Burlington and Quincy R. R. Co.	Passenger transportation	7.25
	Lehigh Valley R. R. Co.	do	7.00
	Hannibal and St. Joseph R. R. Co.	do	6.60
	New York Central and Hudson River R. R. Co.	do	.97
	Michigan Central R. R. Co	do	11.82
	The Missouri Pacific Rwy. Co.	do	27.75
12	Library Bureau	Cards	12.50
13	Whitall, Tatum & Co	Jars	10.92
18	S. P. Johnson	Cylinder	1.52
23	Houghton & Delano.	Solio prints	2.08
26	Geo. F. Muth & Co.	Plaster	2.75
	E. Morrison Paper Co.	Cards	2.40
27	Adams Express Co.	Transportation	11.62
28	W. P. Corsa et al.	Salaries	645.20
Mar. 18	The Publishers and Printers Engraving Co.	Illustrations	38.39
30	W. P. Corsa et al.	Salaries	664.90
	Total third quarter		2,200.11
Apr. 1	Jno. C. Parker	Wax paper	4.50
4	W. P. Corsa	Traveling expenses	5.00
22	Pennsylvania R. R. Co	Passenger transportation	9.70
27	United States Express Co	Transportation	5.62
	Adams Express Co	do	13.32
May 30	W. P. Corsa et al.	Salaries	640.60
31	The Chesapeake and Potomac Telephone Co.	Telephone rent	6.25
31	W. P. Corsa et al.	Salaries	658.80
June 12	do	Traveling expenses	12.87
25	Pennsylvania R. R. Co	Passenger transportation	4.85
29	W. P. Corsa	Salaries	640.60
	Total fourth quarter		2,002.11



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## POMOLOGICAL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental.</i>			
1901.			
July 9	Alex. Schmid .....	Boxes .....	\$29.00
16	W. A. Taylor .....	Expenses .....	2.25
	Geo. C. Husman .....	Traveling expenses .....	23.50
19	Library Bureau .....	Index cards .....	40.00
Aug. 2	Pennsylvania R. R. Co .....	Passenger transportation .....	15.35
12	H. von Lutticham .....	Expenses .....	116.95
21	The Chesapeake and Potomac Telephone Co. ....	Services .....	6.25
Oct. 4	Seaboard Air Line Rwy. Co .....	Passenger transportation .....	15.85
	do .....	do .....	24.90
	Total .....		274.05

## RECAPITULATION.

First quarter .....	\$2,373.17
Second quarter .....	2,285.97
Third quarter .....	2,200.11
Fourth quarter .....	2,002.11
Supplemental .....	274.05
Total .....	9,155.41

## LABORATORY.

Date.	Name.	Nature of payment.	Total.
1900.			
July 31	E. G. Runyon et al. ....	Salaries .....	\$572.80
Aug. 31	D. V. Groesbeck et al. ....	do .....	146.98
	E. G. Runyon et al. ....	do .....	572.80
Sept. 5	Frederick Carl .....	Repairing spectroscope .....	2.00
7	J. G. Taylor & Sons .....	Refrigerator .....	45.00
	Eimer & Amend .....	Tube .....	7.50
12	United States Electric Lighting Co. ....	Electric current .....	15.12
	Washington Gas Light Co .....	Gas .....	.40
29	A. W. Bache et al. ....	Salaries .....	130.25
	E. G. Runyon et al. ....	do .....	554.40
	Total first quarter .....		2,047.25
Oct. 2	M. DuPerow .....	Fan .....	10.50
	Woodruff Manufacturing Co .....	Parts of record case .....	88.52
10	John T. Springmann, jr., & Bro .....	Grate bars .....	3.72
16	Washington Gas Light Co .....	Gas .....	4.00
30	M. Silverberg & Co .....	Gilt molding .....	.75
	E. Morrison Paper Co. ....	Labels .....	.25
	United States Electric Lighting Co. ....	Electric current .....	9.48
	E. Morrison Paper Co. ....	Index cards .....	10.20
31	Lillie Ryon et al. ....	Salaries .....	143.68
	E. G. Runyan et al. ....	do .....	575.80
Nov. 2	R. P. Clarke Co. ....	Toweling .....	10.28
	Geo. F. Muth & Co .....	Lanterns, etc .....	2.02
3	The Chesapeake and Potomac Telephone Co. ....	Telephone service .....	6.25
14	The Witt Cornice Co .....	Cans .....	6.00
17	Mackall Bros .....	Chemicals .....	138.64
	M. DuPerow .....	Electric supplies .....	6.35
20	M. Schuster .....	Repairs .....	.35
	R. P. Clarke Co .....	Sheeting .....	2.00
22	Williams, Brown & Earle .....	Magnifier .....	.73
23	E. Morrison Paper Co. ....	Cardboard .....	1.86
	Houghton & Delano .....	Photo supplies .....	.90
27	Z. D. Gilman .....	Potash, etc .....	21.45
	The Geo. W. Knox Express Co. ....	Transportation .....	.28
	United States Electric Lighting Co. ....	Electric current .....	9.87
	Barber & Ross .....	Tank .....	19.50
27	National Electric Supply Co .....	Button plate .....	2.30
	Thos. Somerville & Sons .....	Repairs to press .....	1.30
	S. Kann Sons & Co .....	Cotton .....	.25
	Washington Gas Light Co .....	Gas .....	9.90
	Rudolph West & Co .....	Tin tapeline, etc .....	9.87
30	Emil Schlichting et al .....	Salaries .....	148.00
	E. G. Runyan et al. ....	do .....	446.20
Dec. 3	Library Bureau .....	Cards .....	38.98
	Emil Grenier .....	Silk handkerchief, etc .....	13.50

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
1900. Dec. 3	The Burnet Co	Batteries	\$3.90
11	Church & Stephenson	Lumber	8.41
14	Forsburg & Murray	Grates	31.36
14	Jno. C. Parker	Knives for pencil pointer	.65
15	Arthur C. Davis	Setting up machinery	18.00
17	Mackall Bros	Chemicals	65.19
	Z. D. Gilman	Pipettes	40.63
	do	Apparatus	7.96
	Rudolph West & Co	Hardware	9.77
	Wagner Typewriter Co.	Card attachment	4.50
19	Stephenson's Express	Transportation	3.67
20	Bates Manufacturing Co	Repairing machine, etc.	1.75
	The Okonite Co., Ltd	Wire	1.75
	H. C. Roberts Electric Supply Co	Batteries	.40
	do	do	4.80
	The Chesapeake Electric Co.	Salammoniac	.70
	Arthur C. Davis	Brick foundation	7.00
21	U. S. Electric Lighting Co.	Electric lights	10.23
	Washington Gas Light Co.	Gas	11.70
26	F. P. May & Co	Dowels	.15
	do	Dowel sticks	.15
29	Thos. Somerville & Sons	Steam traps	12.97
	do	Tanks, etc.	17.38
	Church & Stephenson	Lumber	25.78
31	Emil Schlichting et al.	Salaries	127.35
	E. G. Runyan et al.	do	454.90
	Total second quarter		2,614.73
1901. Jan. 3	Clark & Mills	Machines for road testing	345.00
	Whital, Tatum & Co.	Beakers, etc.	70.46
	Bausch & Lomb Optical Co.	Condensers	19.20
4	Eimer & Amend	Burettes	6.00
	do	Pipettes	7.50
	do	Jars	12.60
	do	Repairing, etc.	12.65
	do	Burettes	24.00
7	United States Express Co.	Transportation	2.53
14	Jas. B. Lambie	Hardware	16.59
	Hugh Reilly	Glass	6.93
	Chas. R. Edmonston	Stone jars	2.70
	The W. W. Biggs' Heating and Ventilating Co.	Valves	3.50
	The Smith-Premier Typewriter Co.	Repairs to typewriter	6.50
	M. DuPerow	Buzzers, etc.	1.60
	Rudolph West & Co	Locks, etc.	2.52
	Mackall Bros	Chemicals	19.60
	Z. D. Gilman	Clamps	15.55
16	The Witt Cornice Co.	Garbage cans	6.00
	Washington Gas Light Co.	Gas	9.60
	United States Electric Lighting Co.	Electric current	10.35
	The Geo. W. Knox Express Co.	Transportation	.25
	do	do	1.75
18	A. C. Davis	Brick foundation	12.00
	Jno. C. Parker	Indexes, etc.	7.17
19	Kuttroff, Pickhardt & Co.	Coal-tar colors	23.40
	Manhattan Electric Supply Co.	Wire	1.25
21	Eimer & Amend	Pipettes, etc.	30.25
	do	Tubes, etc.	6.20
	do	Thermometers	4.00
	do	Flasks	3.90
	Whital, Tatum & Co.	Beakers	22.80
	Library Bureau	Guides	35.80
	Clark & Mills	Brick machine	165.00
22	National Electric Supply Co.	Bushing	.46
	Thos. Somerville & Sons	Pipe, etc.	54.80
24	W. S. Jenks	Pans	2.40
	Hugh Reilly	Glass	11.99
26	F. P. May & Co	Food chopper	1.50
	M. Shughrue	Repairs to tank	4.00
	Eimer & Amend	Flasks	7.50
29	W. B. Moses & Sons	Oilcloth	.75
	Forsberg & Murray	Fitting machinery	2.50
30	Hugh Reilly	Glass	1.08
	Mackall Bros	Chemicals	73.64
31	A. W. Bache et al.	Salaries	118.00
	E. G. Runyan et al.	do	608.90
Feb. 1	Whital, Tatum & Co.	Flasks	11.48
	do	Jars	6.16

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Feb. 1	The Spring Torsion Balance Co .....	Scale .....	\$23.50
5	Eimer & Amend .....	Spirits and weights .....	13.00
	do .....	Glass tube, etc. ....	2.25
	Capital City Motor Co .....	Hangers and pulleys .....	11.50
8	Dulin & Martin Co .....	Filter and jar .....	14.25
	Frederick Carl .....	Repairing balance .....	5.00
11	Chas. C. Van Horn .....	Mantle and chimney .....	3.20
	M. Du Perow .....	Electric lamp .....	5.04
12	Barber & Ross .....	Pliers, etc. ....	3.00
	The Chesapeake and Potomac Telephone Co. ....	Telephone rent .....	6.25
21	Stephenson's Express Co .....	Transportation .....	4.25
26	Hugh Reilly .....	Glass .....	1.78
	Church & Stephenson .....	Lumber .....	3.94
	do .....	do .....	.48
	Louis Hartig .....	Catches and tacks .....	1.28
	Rudolph, West & Co .....	Screws, etc. ....	.89
	United States Electric Lighting Co .....	Electric current .....	20.78
	Washington Gas Light Co .....	Gas .....	10.60
27	Adams Express Co .....	Transportation .....	20.27
28	Library Bureau .....	Cards .....	3.00
	Merck & Co .....	Chemicals .....	.97
	Bausch & Lomb Optical Co .....	Gauze .....	3.60
	R. H. Macy & Co .....	China dishes .....	3.57
	National Electrical Supply Co .....	Bushing .....	1.00
	A. W. Bache et al .....	Salaries .....	87.00
	E. G. Runyan et al .....	do .....	544.20
Mar. 1	Thos. Somerville & Sons .....	Plugs, etc. ....	24.39
	Z. D. Gilman .....	Filter paper, etc. ....	79.52
5	Mackall Bros .....	Chemicals .....	32.20
	James B. Lambie .....	Hardware .....	18.45
	do .....	do .....	7.56
14	Rudolph, West & Co .....	Hose, etc. ....	3.62
18	Z. D. Gilman .....	Glass, spoons, etc. ....	4.35
	Bausch & Lomb Optical Co .....	Glass funnels .....	2.00
	Whitall, Tatum & Co .....	Beakers .....	27.43
19	Chas. W. Butler .....	Repairing locks and keys .....	6.00
21	Church & Stephenson .....	Lumber .....	7.91
	do .....	do .....	.42
23	Eimer & Amend .....	Chemicals .....	2.25
	Crosby Steam Gage and Valve Co .....	Fittings for laboratory .....	7.86
25	Mackall Bros .....	Chemicals .....	87.50
	Hugh Reilly .....	Glass .....	3.75
	Washington Gaslight Co .....	Gas .....	15.00
	United States Electric Lighting Co .....	Electric current .....	22.81
30	A. W. Bache .....	Salary .....	30.00
	E. G. Runyan et al .....	Salaries .....	610.90
	Total third quarter .....		3,608.81
Apr. 2	The Warren W. Biggs Heating and Ven-tilating Co. ....	Thermometers .....	2.00
	R. P. Clarke Co .....	Sheeting .....	.83
3	Queen & Co., incorporated .....	Selenite films .....	1.50
10	Jas. B. Lambie .....	Hardware .....	2.70
	Rudolph, West & Co .....	Locks .....	.74
	R. P. Clarke Co .....	Toweling .....	12.50
	Z. D. Gilman .....	Bottles, etc. ....	46.40
12	Eimer & Amend .....	Paints .....	.55
	The Zanesville Stoneware Co .....	Covers and rings .....	12.40
16	Bausch & Lomb Optical Co .....	Cylinders .....	25.10
	Library Bureau .....	Metric rules .....	1.15
	M. Du Perow .....	Electric supplies .....	11.45
17	Barber & Ross .....	Tile .....	7.75
18	The American Distributing Co .....	Alcohol .....	23.21
19	The Baker & Adamson Chemical Co .....	Filters .....	1.82
20	D. Frank Parker .....	Typewriter ribbons .....	1.13
	Jno. C. Parker .....	Fountain pen .....	3.50
	Mackall Bros .....	Chemicals .....	11.95
	United States Electric Lighting Co .....	Electric current .....	19.38
	Washington Gaslight Co .....	Gas .....	13.70
22	Thos. Somerville & Sons .....	Laboratory fittings .....	59.92
27	Adams Express Co .....	Transportation .....	9.72
30	A. W. Bache .....	Salary .....	30.00
	E. G. Runyan et al .....	Salaries .....	669.41
May 1	B. P. Murray .....	Gas .....	6.00
	E. J. Pullman .....	Photographic hydrometer .....	.40
2	The Okonite Co., limited .....	Wire .....	7.50
3	United States Express Co .....	Transportation .....	13.60
6	The Catler-Hammer Manufacturing Co .....	Coils for rheostat .....	.60
13	Whitall, Tatum & Co .....	Flasks .....	5.96



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
May 13	F. W. Huddleson .....	Hellebore .....	\$0.40
	Anderson & Howison .....	Moving engine .....	10.00
	Jas. S. Topham .....	Sample case .....	1.75
16	United States Electric Lighting Co. ....	Electric current .....	18.73
	Mackall Bros .....	Chemicals, etc. ....	68.98
	The Chesapeake and Potomac Telephone Co. ....	Telephone rent .....	6.25
	Z. D. Gilman .....	Rubber tubing .....	34.91
17	Rudolph, West & Co .....	Brushes .....	1.10
20	The Kny-Scheerer Co .....	Desiccators, etc .....	13.51
	Whitall, Tatum & Co .....	Beakers .....	14.89
24	Bausch & Lomb Optical Co .....	Brushes .....	3.00
27	Church & Stephenson .....	Lumber .....	4.16
31	E. G. Runyan et al .....	Salaries .....	586.80
	A. W. Bache .....	Salary .....	30.00
June 14	J. T. Walker Sons .....	Lime .....	.75
15	Arthur Given .....	Services .....	5.27
21	A. A. Winfield .....	Yeast .....	1.00
	Church & Stephenson .....	Lumber .....	1.44
	The Smith Premier Typewriter Co .....	Key cushions .....	5.00
	Lewis Schultz .....	Buckwheat .....	1.00
28	Geo. F. Muth & Co .....	Brushes .....	.91
29	E. G. Runyan et al .....	Salaries .....	795.00
	Total fourth quarter .....		2,607.72
	<i>Supplemental.</i>		
July 19	United States Electric Lighting Co .....	Electric current .....	8.24
Aug. 12	The Geo. W. Knox Express Co .....	Transportation .....	10.80
19	Geo. F. Muth & Co .....	Putz pomade .....	.60
	E. Morrison Paper Co .....	Paper .....	12.25
21	Jno. C. Parker .....	Binding cases .....	10.64
Sept. 4	Mackall Bros .....	Chemicals .....	2.43
	Total .....		44.96

## RECAPITULATION.

First quarter .....	\$2,047.25
Second quarter .....	2,614.73
Third quarter .....	3,608.81
Fourth quarter .....	2,607.72
Supplemental .....	44.96
Total .....	10,923.47

## LABORATORY.

[Appropriation for 1900-1901.]

Date.	Name.	Nature of payment.	Total.
1900.			
July 28	Geo. A. Shehan .....	Lumber .....	\$5.91
Aug. 3	M. Du Perow .....	Rotary fans .....	20.50
14	Mackall Bros .....	Chemicals .....	13.21
	Wagner Typewriter Co .....	Typewriter .....	62.50
	Mackall Bros .....	do .....	5.78
	Rudolph, West & Co .....	Hardware .....	2.05
	Z. D. Gilman .....	Rubber tubing, etc. ....	94.38
25	do .....	Crucibles, etc. ....	157.58
	do .....	Beef juice .....	33.59
	Church & Stephenson .....	Lumber .....	53.09
	F. P. May & Co .....	Dowel sticks .....	.30
	J. L. Mathy .....	Altering vegetable pots ..	6.00
	Z. D. Gilman .....	Sesame oil, etc. ....	.90
29	United States Electric Lighting Co .....	Electric current .....	8.65
	Washington Gaslight Co .....	Gas .....	2.80
	D. Frank Parker .....	Stencil paper, etc .....	5.15
	Thos. Somerville & Sons .....	Valves, etc. ....	6.77
	M. Du Perow .....	Fan .....	10.50
	E. S. West .....	Photographing, etc. ....	43.96
	C. Engels Sons .....	Canned goods .....	5.30
Sept. 5	W. G. Sargent .....	Hose mender's compound ..	1.20

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Sept. 5	C. Becker .....	Weights .....	\$10.20
7	Library Bureau .....	Index cards .....	12.40
	The J. C. Ergood Co .....	Sugar .....	1.56
	Z. D. Gilman .....	Bottles and tubes .....	104.95
	Eimer & Amend .....	Condensers .....	36.00
	do .....	Flasks, etc .....	30.45
	Bausch & Lomb Optical Co .....	Funnels, etc .....	58.00
12	Rudolph, West & Co .....	Lock, rope, etc .....	11.47
15	H. O. Wilbur .....	Asbestos covering, etc .....	7.00
17	J. H. Bunnell & Co .....	Electric switch .....	.22
	Chas. R. Edmonston .....	Kettles .....	1.20
	Jas. B. Lambie .....	Hinges .....	.37
18	Mittay & Volger .....	Carbon paper .....	.80
	Total first quarter .....		814.74
Oct. 2	Hugh Reilly .....	Glass .....	1.25
4	Library Bureau .....	Pamphlet cases .....	24.00
	The Randolph Paper Box Co .....	Boxes .....	22.50
10	Woodward & Lothrop .....	Sheeting, etc .....	8.90
12	Mackall Bros .....	Ether, etc .....	81.03
16	Roethlisberger & Gerber .....	Samples cheese .....	1.21
	Meyer & Lange .....	do .....	.99
	A. L. Reynolds .....	do .....	.88
	do .....	do .....	.88
	D. C. Reynolds & Co .....	do .....	.90
	Roethlisberger & Gerber .....	do .....	2.13
	Rudolph, West & Co .....	Wire .....	.25
	Z. D. Gilman .....	Funnels .....	57.60
20	Thos. Somerville & Sons .....	Pans, etc .....	13.46
29	Jno. C. Parker .....	Cases .....	5.80
30	National Electrical Supply Co .....	Wire .....	.70
	Church & Stephenson .....	Lumber .....	39.90
	Barber & Ross .....	Card holder .....	2.25
	J. T. Walker Sons .....	Lime .....	.75
	E. Morrison Paper Co .....	Stamp rack .....	1.25
	Z. D. Gilman .....	Bottles, corks, etc .....	9.60
	do .....	Filters .....	7.60
Nov. 1	The American Distributing Co .....	Alcohol .....	45.50
2	Eimer & Amend .....	Flasks .....	7.00
17	Mackall Bros .....	Chemicals .....	132.53
	do .....	do .....	21.50
27	Z. D. Gilman .....	Filters .....	13.30
Dec. 17	Jas. B. Lambie .....	Iron .....	1.65
20	Library Bureau .....	Records case .....	55.00
	Total second quarter .....		560.28
1901.			
Jan. 3	The American Distributing Co .....	Alcohol .....	23.14
4	Eimer & Amend .....	Pipettes .....	4.00
	S. Galle & Co .....	Cheese .....	19.60
14	W. S. Jenks .....	Pans .....	3.00
16	The Keasbey & Mattison Co .....	Pipe covering .....	7.03
21	Bausch & Lomb Optical Co .....	Glass desiccators, etc .....	29.40
26	Eimer & Amend .....	Balance .....	22.62
29	Jas. B. Lambie .....	Hooks and eyes .....	.35
	Total third quarter .....		109.14
Apr. 3	Bausch & Lomb Optical Co .....	Dishes, etc .....	110.88
12	Menier .....	Food samples .....	.36
	Gregory & Brown & Co .....	Wall-paper samples .....	5.00
	A. L. Reynolds .....	Cheese .....	1.58
	Haggerty Bros. & Co .....	Butter .....	6.60
	C. Sorensen .....	Cocoa .....	.50
June 4	Washington Gaslight Co .....	Gas .....	15.60
27	United States Electric Lighting Co .....	Electric current .....	14.59
	Washington Gaslight Co .....	Gas .....	13.80
	Total fourth quarter .....		168.91
	Supplemental.		
July 2	Jas. B. Lambie .....	Belting .....	7.77
	Thos. Somerville & Sons .....	Pipes, traps, etc .....	5.24
	do .....	Cement, etc .....	12.01
	Warren M. Whyte .....	Pipe .....	.75
	Wm. H. Dyer .....	Pulleys .....	3.00
5	Adams Express Co .....	Transportation .....	16.63

## 108 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## LABORATORY—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901.			
July 8	Mackall Bros .....	Sodium .....	\$1.50
9	Fred. A. Schmidt .....	Drawing board, etc .....	6.08
13	R. P. Clarke Co .....	Toweling .....	12.50
	Warren M. Whyte .....	Disks .....	1.60
17	Rudolph West & Co .....	Hardware .....	9.53
10	Church & Stephenson .....	Lumber .....	2.40
	J. Dujardin .....	Apparatus .....	50.29
26	Washington Gaslight Co .....	Gas .....	9.40
Aug. 1	J. P. Nawrath .....	Sponges .....	7.00
16	Z. D. Gilman .....	Filters, etc .....	71.10
	M. du Perow .....	Belts .....	1.10
19	Stephenson's Express .....	Transportation .....	3.47
21	Jas. B. Lambie .....	Rod and drills .....	6.10
22	Chesapeake and Potomac Telephone Co .....	Service .....	6.25
Sept. 13	Whitall, Tatum & Co .....	Beakers .....	35.49
	The Smith Premier Typewriter Co .....	Repairs to typewriters .....	1.00
	Thos. Sommerville & Sons .....	Brass rings .....	2.63
	Total .....		272.84

## RECAPITULATION.

First quarter .....	\$814.74
Second quarter .....	560.28
Third quarter .....	109.14
Fourth quarter .....	168.91
Supplemental .....	272.84
Total .....	1,925.91

## RENT OF BUILDING.

Date.	Name.	Nature of payment.	Total.
1900.			
Aug. 21	J. Harrison Johnson & Son .....	Rent .....	\$208.33
Sept. 24	do .....	do .....	208.33
	Total first quarter .....		416.66
Oct. 25	J. Harrison Johnson & Son .....	Rent .....	208.33
Nov. 15	do .....	do .....	208.33
Dec. 26	do .....	do .....	208.33
	Total second quarter .....		624.99
1901.			
Jan. 17	J. Harrison Johnson & Son .....	Rent .....	208.33
Feb. 11	do .....	do .....	208.33
Mar. 18	do .....	do .....	208.33
	Total third quarter .....		624.99
Apr. 9	J. Harrison Johnson & Son .....	Rent .....	208.33
May 10	do .....	do .....	208.33
June 11	do .....	do .....	208.33
	Total fourth quarter .....		624.99
	<i>Supplemental.</i>		
Aug. 19	J. Harrison Johnson & Son .....	Rent .....	208.33
	Total .....		2,499.96

## ADULTERATION OF FOOD AND INVESTIGATION OF SOILS.

1900.			
July 25	Whitall, Tatum & Co .....	Jars .....	\$18.90
31	G. E. Patrick et al .....	Salaries .....	982.61
Aug. 1	E. Morrison Paper Co .....	Bags .....	97
14	J. L. Mathy .....	Tin cans .....	9.00
21	S. Kann, Sons & Co .....	Silk and yarn .....	5.34



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## ADULTERATION OF FOOD AND INVESTIGATION OF SOILS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Aug. 31	Geo. E. Patrick et al	Salaries	\$866.40
Sept. 27	W. D. Biglow	Traveling expenses	86.45
	do	Expenses	36.42
29	Geo. E. Patrick et al	Salaries	851.20
	Total first quarter		2,857.29
Oct. 12	Maryland Agricultural Experiment Stations.	Wheat	2.55
31	G. E. Patrick et al	Salaries	861.22
Nov. 2	Emile Dubois	Salary	100.00
13	do	do	476.00
14	W. B. Alwood	Salary and expenses	190.00
30	Geo. E. Patrick et al	Salaries	811.44
Dec. 6	W. B. Alwood	Services	193.00
17	Z. D. Gilman	Preservatives, etc	19.30
	Houghton & Delano	Photo supplies	5.24
31	G. E. Patrick et al	Salaries	807.30
	Total second quarter		3,466.05
1901.			
Jan. 7	United States Express Co	Transportation	1.05
12	E. McK. Chace	Services	7.83
14	Houghton & Delano	Hydrochinon, etc	3.35
16	E. McK. Chace	Traveling expenses	8.20
	The Geo. W. Knox Express Co	Transportation	1.10
18	W. B. Alwood	Expenses	6.51
	do	do	15.29
	do	do	10.37
	do	Traveling expenses	21.10
	do	do	35.42
	do	Salary	101.33
	do	Traveling expenses	39.66
	do	Salary	193.00
19	W. D. Biglow	Expenses	74.93
21	Bausch & Lomb Optical Co.	Crucible tongs	22.50
26	W. D. Biglow	Expenses	24.93
29	Jas. B. Lambie	Bolts, etc	1.81
31	Chas. C. Moore, jr., et al	Salaries	809.60
Feb. 21	W. B. Alwood	Salary	193.00
	do	Traveling expenses	21.09
27	Adams Express Co	Transportation	5.26
	Emile Dubois	Traveling expenses	98.36
	do	Expenses	7.76
28	Chas. C. Moore, jr., et al	Salaries	744.31
Mar. 2	E. S. Wertz	Negatives	7.45
27	Chas. C. Moore, jr	Traveling expenses	7.00
	E. S. Wertz	Negatives	61.09
30	Chas. C. Moore, jr., et al	Salaries	720.00
	Total third quarter		3,243.30
Apr. 2	W. B. Alwood	Expenses	40.71
	do	Traveling expenses	33.30
	do	Salary	271.16
16	G. E. Patrick	Traveling expenses	2.89
	do	Expenses	4.67
22	Southern Rwy. Co.	Passenger transportation	15.20
27	United States Express Co	Transportation	12.95
	Adams Express Co	do	17.11
30	Chas. C. Moore, jr., et al	Salaries	641.08
May 4	W. D. Biglow	Expenses	5.30
20	Chas. C. Moore, jr	do	37.65
31	M. S. Tidd et al	Salaries	701.26
June 14	The Geo. W. Knox Express Co	Transportation	9.66
21	Z. D. Gilman	Crucibles, etc	67.83
	Eimer & Amend	Beakers, etc	3.81
	The American Distributing Co	Alcohol	22.62
	Emil Greiner	Tubes	10.45
28	Dulin & Martin Co	Knife, etc	.55
29	M. S. Tidd et al	Salaries	547.40
	Total fourth quarter		2,445.60
	Supplemental.		
July 5	Adams Express Co	Transportation	.85
8	Mackall Bros	Chemicals	223.85
	F. E. Singleton	Capsules	5.40

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Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## ADULTERATION OF FOOD AND INVESTIGATION OF SOILS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901.			
July 9	H. E. Roberts Electric Supply Co .....	Batteries .....	\$4. 80
13	Mackall Bros .....	Chemicals .....	42. 00
16	Christian Becker .....	Weights .....	32. 40
	Mackall Bros .....	Chloroform, etc .....	38. 20
19	Standard Oil Co. ....	Gasoline .....	4. 00
24	Chas. C. Moore, jr .....	Expenses .....	13. 20
	Doremus Manufacturing Co. ....	Lacquering polariscope .....	3. 50
	C. A. Muddiman & Co. ....	Hose attachments .....	2. 40
25	Whitall, Tatum & Co .....	Flasks .....	35. 47
26	W. D. Biglow .....	Expenses .....	19. 25
Aug. 1	M. A. Schovell .....	Experiments on gluten of wheat .....	50. 00
	L. G. Carpenter .....	do .....	50. 00
	C. S. Plumb .....	do .....	50. 00
	E. W. Hilgard .....	do .....	50. 00
	H. J. Waters .....	do .....	50. 00
	H. J. Patterson .....	do .....	50. 00
2	Church & Stephenson .....	Lumber .....	4. 25
3	Z. D. Gilman .....	Filters, etc .....	108. 22
9	Thos. Somerville & Sons .....	Vise .....	1. 75
19	Jas. B. Lambie .....	Can opener, etc .....	2. 85
	Rudolph, West & Co .....	Zinc .....	1. 65
	F. P. May & Co .....	Drug mill .....	12. 50
30	W. B. Alwood .....	Transportation .....	7. 91
Oct. 2	The Holtz & Freystedt Co. ....	Sausage .....	1. 52
10	Bausch & Lomb Optical Co. ....	Condensers .....	29. 40
11	The Geo. W. Knox Express Co. ....	Transportation .....	6. 02
	do .....	do .....	3. 49
	Total .....		904. 88

## RECAPITULATION.

First quarter .....	\$2,857. 29
Second quarter .....	3,466. 05
Third quarter .....	3,243. 30
Fourth quarter .....	2,445. 60
Supplemental .....	904. 88
Total .....	12,917. 12

## FORESTRY INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1900.			
July 14	Thos. C. Carson .....	Traveling expenses .....	\$10. 50
23	Kinsley Twining, jr .....	do .....	11. 45
26	J. W. Toumey .....	do .....	39. 75
31	Geo. B. Sudworth et al .....	Salaries .....	1,181. 50
Aug. 9	W. W. Everett .....	Salary .....	25. 30
10	Houghton & Delano .....	Burnishers .....	186. 90
	do .....	Rolls, films, etc .....	89. 40
11	Wm. James, jr .....	Services .....	25. 30
	C. C. Manning .....	do .....	25. 30
	W. E. Tracy .....	do .....	25. 30
	A. R. Powers .....	do .....	25. 30
	L. W. Symmes .....	do .....	25. 30
	A. L. Hyde .....	do .....	25. 30
	H. T. Van Dyke .....	do .....	25. 30
	Geo. L. Clothier .....	do .....	84. 20
	G. F. Schwarz .....	do .....	191. 10
	F. E. Olmsted .....	do .....	60. 60
	J. H. Nicholl .....	do .....	25. 30
	J. D. Ireland .....	do .....	25. 30
	B. C. Rumsay, jr .....	do .....	25. 30
	Geo. A. Morison .....	do .....	25. 30
	Wm. P. Haines .....	do .....	25. 30
	E. M. Griffith .....	do .....	126. 40
	Wm. L. Hall .....	do .....	101. 10
	C. S. Crandall .....	do .....	168. 50
	Harry J. Tompkins .....	do .....	25. 30
	T. L. Duncan .....	do .....	25. 30
	P. S. Riggs .....	do .....	21. 20
	Geo. E. Clement .....	do .....	25. 30
	Eugene S. Bruce .....	do .....	126. 40
	G. W. Parsons .....	do .....	25. 30

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1900. Aug. 11	H. Hus	Services	\$25.30
	R. B. Rutter	do	25.30
	E. O. Wooten	do	151.60
	G. W. Eddy	do	25.30
	Norman G. Lind	do	25.30
	R. D. Swales	do	25.30
	Smith Riley	do	50.50
	F. H. Danker	do	5.71
	W. J. Gardner	do	23.64
	Ralph S. Hosmer	do	101.10
	E. E. Benedict	do	25.30
	Kinsley Twining, jr	do	25.30
	E. C. Greene	do	25.30
	F. Carter, jr	do	25.30
	A. F. Hawes	do	25.30
	Thos. H. Sherrard	do	84.20
	H. S. Meekham	do	42.10
	C. R. Pettis	do	25.30
	Jno. Foley	do	60.60
	H. L. Fairchild	do	25.30
	Anson E. Cohoon	do	25.30
	W. H. B. Kent	do	25.30
	Hiram Hurlburt	do	25.30
	C. Du Bois	do	25.30
	J. Z. Henley	do	25.30
	E. T. Allen	do	84.20
	T. P. Lukens	do	25.30
	Hugh McC. Curran	do	25.30
	H. B. Kempton	do	25.30
	Gordon W. Baker	do	15.49
	O. W. Price	do	84.20
	Wm. C. Hodge, jr	do	25.30
	Edwd. Ingraham	do	25.30
	T. S. Woolsey, jr	do	25.30
	Filibert Roth	do	168.50
	Chas. Mohr	do	126.40
	W. W. Clarke	do	12.23
	R. T. Fisher	do	60.60
	Alex. Brown	do	25.30
14	W. B. Moses & Sons	Ice chest	9.15
	R. P. Clarke Co	Flannel	6.49
	Houghton & Delano	Kodaks	40.00
	H. H. Brown	Paper	1.00
16	E. T. Allen	Expenses	35.85
	W. W. Clark	Traveling expenses	39.40
	H. J. Tompkins	do	35.40
	W. C. Hodge	do	24.35
	Jas. D. Ireland	Services	3.26
	H. B. Kempton	Expenses	2.14
	do	do	2.33
	do	do	4.36
	do	do	8.37
	do	do	9.78
	do	do	12.56
	do	do	14.03
	do	do	22.61
	do	do	94.50
	C. R. Pettis	Traveling expenses	35.25
	Chas. S. Chapman	Services	25.30
17	G. Fred. Schwarz	Expenses	59.85
	do	do	47.22
	L. H. Pammel	Traveling expenses	28.70
	E. O. Wooten	Expenses	99.50
	R. T. Fisher	Traveling expenses	196.10
	E. M. Griffith	do	82.10
	do	Office expenses	185.33
18	W. L. Hall	Traveling expenses	130.20
	E. T. Allen	do	112.25
	F. E. Olmsted	do	172.35
20	Queen & Co., incorporated	Magnifiers, etc.	63.60
22	J. W. Tourmey	Salary	168.50
	Wm. D. Sterrett	do	25.30
	Jno. W. Perry	do	17.12
	C. G. Pearce	do	25.30
	John Foley	Traveling expenses	27.70
	W. C. Lodge	Salary	17.12
31	Geo. B. Sudworth et al	Salaries	1,127.61
Sept. 4	O. W. Price	Traveling expenses	83.20
	Henry S. Graves	do	60.12
	do	Expenses	6.66



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Sept. 4	Filibert Roth	Traveling expenses	\$196.55
5	T. P. Lukens	Expenses	39.00
	do	Traveling expenses	42.05
	H. B. Kempton	do	25.65
	C. R. Pettis	do	17.28
	Geo. L. Clothier	do	62.29
	E. T. Allen	do	80.35
	R. T. Fisher	do	197.56
	Wm. Walter	Camera case	20.75
	W. L. Hall	Salary	101.10
	G. F. Schwarz	do	101.10
	Geo. L. Clothier	do	84.20
	E. T. Allen	do	84.20
	R. T. Fisher	do	60.60
	L. C. Miller	do	50.60
	Z. L. Bliss	do	50.60
	C. D. Burson	do	50.60
	Leonard Bronson	do	50.60
	Wilson Peck	do	50.60
	L. H. Pammel	do	50.60
	Jno. E. Keach	do	50.60
	H. S. Mukham	do	42.10
	F. N. Nevins	do	28.56
	G. W. Parsons	do	18.75
	Wm. E. Tracy	do	18.75
	H. Hus	do	18.75
	G. W. Eddy	do	18.75
	A. L. Hyde	do	18.75
	W. D. Sterrett	do	25.30
	F. McC. Curran	do	25.30
	F. Carter, jr	do	25.30
	E. C. Greene	do	25.30
	A. F. Hawes	do	25.30
	G. E. Clement	do	25.30
	Henry S. Graves	do	25.30
	Coert DuBois	do	25.30
	Filibert Roth	do	168.50
	Chas. Mohr	do	126.40
	E. S. Bruce	do	126.40
	J. G. Jack	do	303.20
	W. H. B. Kent	do	25.30
	T. L. Duncan	do	25.30
	Wm. James, jr	do	25.30
	R. D. Swales	do	25.30
	H. B. Kempton	do	25.30
	W. C. Hodge, jr	do	25.30
	J. Z. Henley	do	25.30
	A. E. Cohoon	do	25.30
	C. G. Pearce	do	25.30
	T. S. Woolsey, jr	do	25.30
	T. P. Lukens	do	25.30
	C. S. Chapman	do	25.30
	W. J. Gardner	do	25.30
	J. W. Toumey	do	25.30
6	H. L. Fairchild	do	25.30
	C. S. Crandall	do	168.50
	W. P. Haines	do	25.30
	E. M. Griffith	do	126.40
	Gordon M. Barker	do	3.26
	T. F. Borst	do	50.60
	Chas. E. Bessey	do	50.60
	Jno. W. Clark	do	50.60
	Wm. F. Fox	do	50.60
	Thos. C. Carson	do	50.60
	W. W. Clark	do	25.30
	Smith Riley	do	50.50
	Kingsley Twining, jr	do	25.30
	C. R. Pettis	do	25.30
	Thos. H. Sherrard	do	84.20
	R. S. Hosmer	do	101.10
	Wm. L. Bray	do	50.56
	C. C. Manning	do	3.20
	F. E. Oimsted	do	60.60
	H. J. Tompkins	do	25.30
	Jno. Foley	do	60.60
	P. S. Riggs	do	25.30
7	Pen Carbon Manifold Co	Pen carbon books	9.00
	Emil Greiner	Graduate	1.50
	Hugh Reilly	Glass	2.40
	Jas. S. Topham	Map case	4.25

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Sept. 11	H. J. Tompkins .....	Traveling expenses .....	\$31.80
13	W. W. Everette .....	Salary .....	25.30
	R. T. Fisher .....	Traveling expenses .....	172.80
	J. G. Jack .....	do .....	138.75
	do .....	Expenses .....	51.15
	Wm. L. Hall .....	do .....	101.39
	E. T. Allen .....	do .....	143.90
	H. B. Kempton .....	do .....	65.12
	do .....	Traveling expenses .....	143.02
15	Houghton & Delano .....	Photo supplies .....	134.40
	O. J. J. Luebker .....	Expenses .....	87.90
	A. F. Hawes .....	Services .....	10.60
	N. G. Lind .....	do .....	25.30
	W. R. Dudley .....	do .....	50.60
	Chas. Jones .....	do .....	46.50
	Wm. D. Sterrett .....	do .....	8.97
17	S. P. Johnson .....	Typewriters, etc .....	423.75
	W. W. Clark .....	Traveling expenses .....	19.49
21	Crescent City Transportation Co .....	Transportation .....	20.00
	Thos. H. Sherrard .....	Traveling expenses .....	34.14
	The Rio Grande Western Rwy. Co .....	Passenger transportation .....	2.00
	Montgomery & Co .....	Tally registers .....	22.50
22	E. C. Greene .....	Salary .....	14.67
	F. W. Nevins .....	do .....	14.67
	Theo. F. Borst .....	do .....	20.00
	The Pullman Co .....	Passenger transportation .....	8.50
	Boston and Albany R. R. Co .....	do .....	22.00
	Southern California Rwy. Co .....	do .....	77.75
	Burlington and Missouri River R. R. in Nebraska .....	do .....	70.59
	Edward Ingraham .....	Salary .....	25.30
	R. E. Benedict .....	do .....	25.30
	R. B. Rutter .....	do .....	25.30
	L. H. Pammel .....	Traveling expenses .....	17.50
	do .....	Expenses .....	101.50
	B. C. Rumsey, jr. .....	Salary .....	25.30
24	Keuffel & Esser Co .....	Calipers, etc .....	124.95
	Wm. L. Hall .....	Expenses .....	31.28
27	Houghton & Delano .....	Photo supplies .....	351.46
29	G. B. Sudworth et al .....	Salaries .....	1,069.88
	Total first quarter .....		15,433.32
Oct. 1	Thos. H. Sherrard .....	Traveling expenses .....	69.54
	G. E. Clement .....	do .....	23.75
	Geo. L. Clothier .....	do .....	82.57
	J. G. Jack .....	do .....	135.85
	do .....	Expenses .....	19.98
	R. T. Fisher .....	Traveling expenses .....	125.50
	E. T. Allen .....	Expenses .....	152.70
	do .....	Traveling expenses .....	80.35
	L. H. Pammel .....	Expenses .....	137.75
	E. M. Griffith .....	do .....	248.07
	do .....	Traveling expenses .....	36.75
	F. E. Olmsted .....	do .....	47.85
	D. Frank Parker .....	Typewriter .....	20.00
2	E. M. Griffith .....	Salary .....	122.20
	P. S. Riggs .....	do .....	24.40
	W. H. Mast .....	do .....	75.00
	Chas. H. Mull .....	do .....	75.00
	W. R. Dudley .....	do .....	24.40
	G. A. Morison .....	do .....	25.30
	W. H. B. Kent .....	do .....	24.40
	H. McC. Curran .....	do .....	24.40
	W. J. Gardner .....	do .....	24.40
	E. O. Wooten .....	do .....	151.60
	W. W. Everett .....	do .....	24.40
	T. L. Duncan .....	do .....	24.40
	A. E. Cohoon .....	do .....	24.40
	C. S. Crandall .....	do .....	163.00
	Chas. Mohr .....	do .....	122.20
	W. L. Bray .....	do .....	24.40
	Chas. E. Bessey .....	do .....	24.40
	Leonard Bronson .....	do .....	24.40
	T. P. Lukins .....	do .....	24.40
	L. H. Pammel .....	do .....	24.40
	L. C. Miller .....	do .....	24.40
	Z. L. Bliss .....	do .....	24.40
	H. B. Kempton .....	do .....	24.40

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 2	Jno. Foley .....	Salary .....	\$58.80
	J. Z. Henley .....	do .....	24.40
	O. W. Price .....	Traveling expenses .....	141.55
	Gifford Pinchot .....	do .....	81.84
3	R. D. Swales .....	Salary .....	24.40
	E. T. Allen .....	do .....	81.60
	T. H. Sherrard .....	do .....	81.60
	Wm. L. Hall .....	do .....	97.80
	W. C. Hodge, jr .....	do .....	24.40
	Smith Riley .....	do .....	49.00
	Filibert Roth .....	do .....	163.00
	Geo. L. Clothier .....	do .....	81.60
	R. T. Fisher .....	do .....	58.80
	R. S. Hosmer .....	do .....	97.80
	F. E. Olmsted .....	do .....	58.80
	G. Fred Schwarz .....	do .....	97.80
	B. C. Benner .....	do .....	43.23
	W. F. Fox .....	do .....	24.40
	Eugene F. Bruce .....	do .....	122.20
	Theo. F. Borst .....	do .....	6.52
	A. F. Yaggy .....	do .....	4.89
	F. Carter, jr .....	do .....	20.38
	C. G. Pearce .....	do .....	6.52
	J. W. Tounney .....	do .....	24.40
	do .....	Traveling expenses .....	19.40
	Edwd. Ingraham .....	Salary .....	11.41
	William James, jr .....	do .....	8.15
	J. W. Clark .....	do .....	24.40
	H. S. Meekham .....	do .....	40.80
	T. C. Carson .....	do .....	12.23
	Henry S. Graves .....	Traveling expenses .....	33.18
	do .....	Salary .....	24.40
4	H. J. Tompkins .....	do .....	24.40
5	Hiram Hurlburt .....	do .....	23.64
	Chicago and Northwestern Rwy. Co .....	Passenger transportation .....	34.25
	Union Pacific R. R. Co .....	do .....	15.00
	Fremont, Elkhorn and Missouri Valley Rwy. Co. ....	do .....	9.95
	The Chicago, Burlington and Quincy R. R. Co. ....	do .....	40.25
	Baltimore and Ohio R. R. Co .....	do .....	45.50
	The Rio Grande Western Rwy. Co .....	do .....	36.25
	Hobbs, Wall & Co., incorporated .....	do .....	60.00
9	H. J. Tompkins .....	Traveling expenses .....	70.09
10	Wm. L. Hall .....	do .....	171.84
	Chas. Jones .....	do .....	10.75
	J. G. Jack .....	Salary .....	73.37
12	H. B. Kempton .....	Expenses .....	61.01
	G. Fred. Schwarz .....	Traveling expenses .....	26.15
	do .....	Expenses, August .....	156.40
	do .....	Expenses, September .....	71.80
	do .....	Expenses, July .....	14.35
15	Amberg File and Index Co .....	Indexes .....	9.90
	Wm. P. Haines .....	Traveling expenses .....	81.15
16	O. W. Price .....	do .....	35.80
	H. J. Tompkins .....	do .....	14.50
	H. B. Kempton .....	do .....	45.58
	Houghton & Delano .....	Plates, etc .....	22.32
18	W. L. Hall .....	Expenses .....	47.61
	do .....	Traveling expenses .....	203.82
19	Geo. L. Clothier .....	do .....	81.10
	E. T. Allen .....	Expenses .....	41.25
	do .....	Traveling expenses .....	207.45
23	F. E. Olmsted .....	do .....	324.81
	G. Fred. Schwarz .....	do .....	51.30
	Paterson Bros. ....	Hatchets .....	21.60
24	Southern Rwy. Co. ....	Passenger transportation .....	18.73
	New York Central and Hudson River R. R. Co. ....	do .....	21.90
	Munising Rwy. Co. ....	do .....	11.87
	Pennsylvania R. R. Co. ....	do .....	211.21
	do .....	do .....	14.12
	The Wabash R. R. Co. ....	do .....	19.00
	St. Louis Southwestern Rwy. Co. ....	do .....	38.28
	Missouri Pacific Rwy. Co. ....	do .....	223.80
	Jno. C. Parker .....	Pencil sharpener .....	3.00
25	Houghton & Delano .....	Photo supplies .....	41.50
26	E. O. Wooten .....	Traveling expenses .....	23.20
	C. G. Smith .....	do .....	18.00
	E. M. Griffith .....	Expenses .....	291.72



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 26	E. M. Griffith .....	Traveling expenses .....	\$74.30
	T. D. Lukens .....	do .....	66.08
	do .....	do .....	39.65
30	Postal Telegraph Cable Co .....	Telegraph service .....	3.30
	Geo. F. Muth & Co .....	Varnish .....	1.25
	S. P. Johnson .....	Platen .....	10.00
	Victor B. Fay .....	Salary .....	25.30
	do .....	do .....	4.89
	Mackall Bros .....	Chemicals .....	4.50
31	G. B. Sudworth et al .....	Salaries .....	1,472.09
Nov. 1	W. H. Mast .....	Salary .....	8.15
	C. S. Crandall .....	do .....	168.50
	R. T. Fisher .....	do .....	60.60
	J. W. Toumey .....	do .....	25.30
	H. S. Graves .....	do .....	25.30
	Treadwell Cleveland, jr .....	do .....	25.30
	W. W. Everett .....	do .....	25.30
	E. S. Bruce .....	do .....	126.40
	H. S. Meekham .....	do .....	42.10
	G. F. Schwarz .....	do .....	101.10
	C. S. Chapman .....	do .....	24.40
	H. L. Fairchild .....	do .....	49.70
	H. McC. Curran .....	do .....	25.30
	C. D. Burson .....	do .....	49.70
	W. L. Bray .....	do .....	25.30
	W. R. Dudley .....	do .....	25.30
	F. L. Clarke .....	do .....	83.97
	T. P. Ludkens .....	do .....	25.30
	G. L. Clothier .....	do .....	84.20
	W. H. B. Kent .....	do .....	25.30
	T. L. Duncan .....	do .....	13.04
	P. S. Riggs .....	do .....	25.30
	A. E. Cohoon .....	do .....	25.30
	F. E. Olmsted .....	do .....	60.60
	W. C. Hodge, jr .....	do .....	25.30
	Jno. Foley .....	do .....	60.60
	E. T. Allen .....	do .....	84.20
	Chas. Mohr .....	do .....	126.40
	E. O. Wooten .....	do .....	73.37
	T. H. Sherrard .....	do .....	84.20
	Filibert Roth .....	Traveling expenses .....	229.30
	do .....	do .....	255.25
	J. G. Jack .....	do .....	86.50
	do .....	Expenses .....	2.70
	Queen & Co., incorporated .....	Compasses .....	5.50
	P. G. Huston .....	Traveling expenses .....	17.50
2	Jno. C. Keach .....	Salary .....	13.04
	T. H. Sherrard .....	Traveling expenses .....	51.38
	J. E. Keach .....	do .....	11.90
	Library Bureau .....	Folders and case .....	35.25
	A. M. Collins Manufacturing Co .....	Cards .....	36.75
	Mackall Bros .....	Acid, bottles, etc .....	24.66
	The Chesapeake and Potomac Telephone Co.	Telephone rent .....	6.25
3	W. L. Hall .....	Salary .....	101.10
	E. M. Griffith .....	do .....	126.40
	C. G. Smith .....	do .....	16.30
	N. S. Shaler .....	do .....	25.30
	Jno. H. Nicoll .....	do .....	2.45
	L. C. Miller .....	do .....	25.30
	Z. L. Bliss .....	do .....	25.30
	H. B. Kempton .....	do .....	25.30
	W. F. Fox .....	do .....	25.30
	Geo. A. Morison .....	do .....	29.29
	Emily A. Loug et al .....	Labor .....	109.70
5	Houghton & Delano .....	Photo supplies .....	44.30
6	Burlington and Missouri River R. R. in Nebr.	Passenger transportation .....	60.45
	Northern Pacific Rwy. Co .....	do .....	41.70
9	H. B. Kempton .....	Traveling expenses .....	83.37
10	A. C. Ringland .....	do .....	7.30
	H. D. Tiemann .....	do .....	7.75
12	Silas C. Mason .....	Salary .....	25.30
	L. H. Pammel .....	do .....	25.30
	G. E. Clement .....	do .....	24.40
	E. T. Allen .....	Traveling expenses .....	87.00
	Chas. S. Chapman .....	do .....	28.18
13	W. L. Hall .....	Expenses .....	39.52
14	E. M. Griffith .....	do .....	262.25
	do .....	Traveling expenses .....	55.55

Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Nov. 14	F. E. Olmsted	Traveling expenses	\$6.00
16	E. O. Wooten	Expenses	155.58
	Geo. L. Clothier	Traveling expenses	79.70
	W. C. Hodge, jr	do	21.25
	J. W. Toumey	do	19.50
	P. S. Riggs	Services	4.89
	R. P. Imes	Salary	25.30
	R. E. Benedict	do	49.70
	Karl H. Fenning	do	49.70
17	H. B. Kempton	Expenses	25.88
21	C. S. Crandall	Traveling expenses	485.63
	Wm. L. Hall	do	182.32
24	Pennsylvania R. R. Co	Passenger transportation	29.90
	Ralph S. Hosmer	Traveling expenses	23.13
26	E. T. Allen	Expenses	29.25
27	Thos. Somerville & Sons	Pipe, etc	3.00
	S. P. Johnson	Platen, etc	7.00
	R. T. Fisher	Expenses	20.85
	do	Traveling expenses	225.75
	Houghton & Delano	Photo supplies	61.50
	G. S. Cleland	Traveling expenses	24.80
	W. C. Chadeayne	do	13.25
30	G. B. Sudworth et al.	Salaries	2,381.14
Dec. 1	Wm. C. Hodge, jr	Salary	24.40
	F. P. Lukens	do	24.40
	W. W. Everett	do	24.40
	Jno. E. Keach	do	24.40
	Hugh McC. Curran	do	24.40
	Wm. F. Fox	do	24.40
	L. H. Pammel	do	24.40
	Wm. L. Bray	do	24.40
	W. R. Dudley	do	24.40
	Karl H. Fenning	do	24.40
	R. P. Imes	do	24.40
	R. E. Benedict	do	24.40
	N. S. Shaler	do	24.40
	W. H. B. Kent	do	24.40
	Silas C. Mason	do	24.40
	G. Fred Schwarz	do	24.40
	A. E. Cohoon	do	24.40
	Jno. Foley	do	58.80
	Geo. L. Clothier	do	81.60
	F. E. Olmsted	do	81.60
	Chas. Mohr	do	122.20
	E. M. Griffith	do	122.20
	E. S. Bruce	do	122.20
	C. S. Crandell	do	163.00
	Smith Riley	do	49.00
	W. J. Gardner	do	49.70
	C. E. Bessie	do	49.70
	Leonard Bronson	do	49.70
	H. S. Graves	do	24.40
	do	Traveling expenses	21.31
	Treadwell Cleveland, jr	Salary	24.40
	J. W. Toumey	do	24.40
	H. S. Meekham	do	40.80
	H. B. Kempton	Expenses	178.50
3	Library Bureau	Cards	9.65
	D. Frank Parker	Carbon paper	25.70
5	Richard L. Lamb	Numbering	19.00
	W. B. Moses & Sons	Cooler and stand	8.10
	New York, New Haven and Hartford R. R. Co.	Passenger transportation	9.75
	Canadian Pacific Rwy. Co	do	23.50
	Baltimore and Ohio R. R. Co	do	6.00
	The Wabash R. R. Co	do	11.75
	Chicago, Milwaukee and St. Paul Rwy. Co.	do	13.93
	The Kansas City Southern R. R. Co	do	10.00
	Chicago and Northwestern Rwy. Co	do	8.46
	Burlington and Missouri River R. R. in Nebraska.	do	349.50
6	Robt. D. Swales	Salary	49.70
	Z. D. Gilman	Cotton	2.00
10	E. T. Allen	Traveling expenses	54.00
	P. G. Huston	do	10.70
11	C. D. Burson	Salary	24.40
	H. L. Fairchild	do	24.40
	J. W. Toumey	Traveling expenses	69.25
	Keuffel & Essex Co	Scale pen, etc	19.08
	Alice C. Foster	Lantern slide	20.25

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Dec. 11	F. E. Olmsted .....	Traveling expenses .....	\$157.90
14	J. E. Keach .....	do .....	10.70
	Jno. Foley .....	do .....	27.30
	Queen & Co., Inc .....	Paper .....	8.00
	H. B. Kempton .....	Traveling expenses .....	29.07
17	Mackall Bros .....	Chemicals .....	3.47
18	Library Bureau .....	Guides, cards, etc. ....	40.05
19	W. F. Bender .....	Salary .....	9.78
21	Smith Riley .....	do .....	50.50
	John E. Keach .....	Traveling expenses .....	21.55
26	Geo. L. Clothier .....	do .....	79.22
	Houghton & Delano .....	Photo supplies .....	41.26
29	Jno. W. Riggs .....	Salary .....	24.40
31	G. B. Sudworth et al .....	Salaries .....	3,344.35
	Total, second quarter .....		22,635.86
1901.			
Jan. 2	Union Pacific R. R. Co .....	Passenger transportation .....	4.59
	Northern Pacific Rwy. Co .....	do .....	96.00
	The Colorado and Southern Rwy. Co .....	do .....	44.75
	The Pullman Co .....	do .....	60.50
	Pennsylvania R. R. Co .....	do .....	17.00
	Southern Rwy. Co .....	do .....	18.20
	N. S. Shaler .....	Salary .....	25.30
	Smith Riley .....	do .....	50.50
	L. H. Pammel .....	do .....	25.30
	W. W. Everett .....	do .....	25.30
	W. R. Dudley .....	do .....	25.30
	Leonard Bronson .....	do .....	25.30
	C. D. Burson .....	do .....	25.30
	C. E. Bessey .....	do .....	25.30
	Treadwell Cleveland, jr .....	do .....	25.30
	W. L. Bray .....	do .....	25.30
	Chas. Mohr .....	do .....	126.40
	F. E. Olmsted .....	do .....	84.20
	Geo. L. Clothier .....	do .....	84.20
	S. C. Mason .....	do .....	25.30
	Wm. F. Fox .....	do .....	25.30
	H. S. Graves .....	do .....	25.30
	G. Fred Schwarz .....	do .....	25.30
	Herman L. Fairchild .....	do .....	25.30
	J. W. Toumey .....	do .....	25.30
3	The Scovill & Adams Co., of New York .....	Photo supplies .....	131.75
4	Robt. D. Swales .....	Salary .....	25.30
	Jno. Foley .....	do .....	60.60
5	Silas C. Mason .....	Traveling expenses .....	50.00
	Geo. L. Clothier .....	do .....	99.41
7	United States Express Co .....	Transportation .....	4.45
14	Houghton & Delano .....	Photo supplies .....	134.42
	Chas. R. Edmonston .....	Camp outfit .....	37.98
	Rudolph West & Co .....	Hardware .....	6.04
16	Mackall Bros .....	Chemicals .....	6.85
	Jno. W. Riggs .....	Salary .....	25.30
	E. S. Bruce .....	Traveling expenses .....	6.50
17	Wm. H. Mast .....	do .....	28.83
18	Jas. W. Toumey .....	do .....	14.45
	Henry S. Graves .....	do .....	22.30
	E. M. Griffith .....	do .....	430.83
	do .....	Expenses .....	85.00
19	P. G. Huston .....	Salary .....	25.30
21	A. M. Collins Manufacturing Co .....	Cards .....	42.50
	Amberg File and Index Co .....	Transfer cases .....	15.49
	Library Bureau .....	Cards and bookrest .....	31.00
22	Jno. C. Parker .....	Paper .....	4.50
	Thos. Somerville & Sons .....	Washers .....	.20
	W. B. Moses & Sons .....	Costumers .....	9.60
23	O. J. J. Luebkiert .....	Expenses .....	56.70
24	F. E. Olmsted .....	Traveling expenses .....	81.53
26	Chas. S. Chapman .....	do .....	42.10
28	Jno. Foley .....	do .....	40.10
	Robt. D. Swales .....	do .....	25.75
29	T. A. Sherrard .....	Expenses .....	12.35
30	do .....	Traveling expenses .....	39.64
	Jno. W. Riggs .....	do .....	56.02
	T. P. Lukens .....	Expenses .....	5.00
	H. S. Graves .....	Traveling expenses .....	21.50
31	G. B. Sudworth et al .....	Salaries .....	4,197.48
Feb. 2	Houghton & Delano .....	Lantern plates .....	2.55
4	Lida Draper .....	Labor .....	1.29



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd*

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Feb. 4	Laidee Luttrell	Labor	\$1.29
	S. C. Ford	do	2.58
	Elsie B. Stabler	do	3.87
6	The Chesapeake and Ohio Rwy. Co.	Passenger transportation	57.10
	The Atchison, Topeka and Santa Fe Rwy.	do	5.52
	The Pullman Co.	do	14.00
	Pere Marquette R. R. Co.	do	20.22
	New York, New Haven and Hartford R. R. Co.	do	12.25
	Pennsylvania R. R. Co.	do	16.93
	Leonard Bronson	Salary	25.80
	C. D. Burson	do	25.80
	C. E. Bessey	do	25.80
	L. H. Pammel	do	25.80
	W. W. Everett	do	25.80
	W. L. Bray	do	25.80
	W. R. Dudley	do	25.80
	Jno. W. Riggs	do	25.80
	Silas C. Mason	do	25.80
	T. P. Lukens	do	51.10
	J. W. Toumey	do	25.80
	Treadwell Cleveland, jr.	do	25.80
	Henry S. Graves	do	25.80
	H. L. Fairchild	do	25.80
	Wm. F. Fox	do	25.80
	G. Fred. Schwartz	do	25.80
	T. P. Lukens	Traveling expenses	2.65
	Henry S. Graves	do	22.25
	O. A. Danzenbaker	Pipe covering	4.32
7	H. M. Suter	Traveling expenses	29.50
8	Mackall Bros.	Chemicals	58.32
	E. Reese	Negatives	40.50
9	H. M. Curran	Traveling expenses	19.78
11	E. M. Griffith	do	103.58
	Queen & Co., Inc.	Tracing cloth	18.15
12	The Chesapeake and Potomac Telephone Co.	Telephone rent	6.25
	do	do	3.19
13	F. E. Olmsted	Freight charges	7.95
14	E. S. Bruce	Traveling expenses	92.22
16	J. W. Toumey	do	23.25
	Herbert A. Smith	Salary	53.33
	G. E. Clement	do	16.45
18	O. W. Pierce	Traveling expenses	23.80
19	Houghton & Delano	Photo supplies	84.35
	Ludwig Tesdorf	Instruments	119.59
20	The Press Clipping Bureau	Clippings	27.12
	M. G. Copeland & Co.	Tent	49.27
	H. H. Chapman	Salary	25.80
	N. S. Shaler	do	25.80
21	D. F. Parker	Mimeograph ink	2.25
	W. B. Moses & Sons	Furniture	92.70
	Alice C. Foster	Lantern slides, etc	25.15
	Queen & Co., Inc.	Cross-section paper	19.20
23	G. E. Clement	Traveling expenses	36.70
	Houghton & Delano	Kodaks, etc	195.00
	Western Union Telegraph Co.	Telegraph service	47.36
26	George F. Muth & Co.	Glass	17.50
	Fred A. Schmidt	Magnifying glass, etc	2.80
27	Chicago, Rock Island and Pacific Rwy. Co.	Passenger transportation	134.56
	New York, New Haven and Hartford R. R. Co.	do	5.00
	Jno. W. Riggs	Expenses	16.05
	do	do	4.27
	Adams Express Co.	Transportation	21.37
28	Keuffel & Esser Co.	Ink	12.06
	G. B. Sudworth et al.	Salaries	4,297.89
Mar. 1	H. A. Smith	Salary	93.40
	C. E. Bessey	do	23.40
	W. W. Everett	do	23.40
	T. P. Lukens	do	23.40
	Wm. L. Bray	do	23.40
	Silas C. Mason	do	23.40
	L. H. Pammel	do	23.40
	C. D. Burson	do	23.40
	Wm. F. Fox	do	23.40
	Herman L. Fairchilds	do	23.40
	J. W. Toumey	do	23.40
	Henry S. Graves	do	23.40
	G. F. Schwarz	do	23.40

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Mar. 1	Treadwell Cleveland, jr.	Salary	\$23.40
9	Herman H. Chapman	do	23.40
	Leonard Bronson	do	23.40
	W. R. Dudley	do	23.40
11	H. M. Curran	Traveling expenses	18.57
12	Chas. S. Chapman	Services	26.45
13	Jas. S. Topham	Repairs to lantern	3.00
14	S. P. Johnson	Mimeograph sheets	7.40
	Church & Stephenson	Lumber	46.85
	Rudolph, West & Co	Hardware, etc	8.66
	The Geo. W. Knox Express Co	Transportation	.57
16	H. S. Graves	Traveling expenses	187.50
	N. S. Shaler	Salary	23.40
	Jno. W. Riggs	do	23.40
18	Library Bureau	Cards	30.19
19	Fred. A. Schmidt	Blue-print paper	1.50
	Mackall Bros	Chemicals	19.67
21	J. Manz Engraving Co	Engraving	12.00
	D. Frank Parker	Mimeograph paper	29.50
22	Geo. L. Clothier	Traveling expenses	51.19
23	Houghton & Delano	Photographic supplies	59.00
25	Jno. W. Riggs	Traveling expenses	18.29
	Church & Stephenson	Lumber	9.00
	United States Electric Lighting Co	Lamps	4.64
27	E. T. Allen	Traveling expenses	20.00
	R. Carter Ballantyne	Cyclone paper	44.85
30	Geo. B. Sudworth et al	Salaries	4,645.73
	Total third quarter		18,965.05
Apr. 1	Jno. C. Parker	Bookcase	39.50
	Henry Brooks	Salary	14.17
	Wm. F. Fox	do	25.80
	Henry S. Graves	do	25.80
	J. W. Toumey	do	25.80
	Treadwell Cleveland, jr	do	25.80
	H. M. Fairchild	do	25.80
	G. Fred. Schwarz	do	25.80
	Geo. L. Clothier	do	86.10
	T. P. Lukins	do	25.80
	Silas C. Mason	do	25.80
	L. H. Pammel	do	25.80
	Jno. W. Riggs	do	25.80
	C. E. Bessey	do	25.80
	W. R. Dudley	do	25.80
	H. H. Chapman	do	25.80
	C. D. Burson	do	25.80
	Leonard Bronson	do	25.80
	Boston and Maine R. R. Co	Passenger transportation	7.85
	The Missouri Pacific Rwy. Co	do	55.80
	do	do	28.60
	Pennsylvania R. R. Co	do	33.35
	do	do	12.15
	St. Louis Southwestern Rwy. Co	do	14.25
	New York Central and Hudson River R. R. Co	do	14.60
	do	do	8.10
	Boston and Albany R. R. Co	do	9.61
	Philadelphia and Reading Rwy. Co	do	10.70
2	Wm. L. Bray	Salary	25.80
	T. Balfour	do	49.20
	Houghton & Delano	Photographic supplies	44.80
	W. B. Moses & Sons	Oilcloth	3.00
	Jas. S. Topham	Kodak case	4.50
3	Thos H. Sherrard	Traveling expenses	55.50
	Chas. Parsons	Book	3.50
	Keuffel & Esser Co	Paper	4.94
6	Jas. S. Topham	Camera cases	10.00
	Houghton & Delano	Films, etc	13.30
8	W. W. Everett	Salary	25.80
9	Church & Stephenson	Lumber	15.12
	The Maurice Joyce Engraving Co	Engraving	2.50
	Rudolph, West & Co	Hardware	12.23
	Z. D. Gilman	Funnels	2.25
11	R. P. Clarke Co	Cheese cloth	2.24
	Ernest Betz	Stove	11.00
	H. A. Smith	Services	91.00
12	N. S. Shaler	Salary	25.80
	Emil Greiner	Graduates	3.65
	Simpson & Co	Log rule	5.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Apr. 12	Library Bureau	Case and cards	\$63.90
16	do	File case and guides	45.00
	Geo. L. Clothier	Expenses	11.35
	H. B. Kempton	Traveling expenses	28.32
	Mackall Bros	Chemicals	8.75
	Henry Grinnell	Traveling expenses	59.60
17	O. W. Price	do	46.00
18	Geo. L. Clothier	do	75.62
19	Wm. Walter	Repairing instruments	16.75
	Jas. S. Topham	Map case	31.50
20	E. M. Griffith	Traveling expenses	44.20
	E. P. Clarke Co	Cotton flannel	1.00
	Geo. B. Donavin & Co	Field ranges, etc.	84.00
	Queen & Co., Inc.	Aneroid barometers	90.39
	Houghton & Delano	Photographic supplies	27.20
	Chicago, Burlington and Quincy R. R. Co.	Transportation	.15
	Burlington and Missouri River R. R. in Nebraska.	do	.65
22	The New York, New Haven and Hartford R. R. Co.	Passenger transportation	12.25
	Baltimore and Ohio R. R. Co.	do	15.30
23	Jas. B. Lyon	Cuts	37.00
25	The Press Clipping Bureau	Clippings	19.94
	Felt & Tarrant Manufacturing Co.	Comptometer	125.00
	Keuffel & Esser Co	Levels, chains, etc.	74.93
	A. M. Collins Manufacturing Co.	Cards, etc.	61.93
	Amberg File and Index Co	Indexes	4.50
	Chas. R. Edmonston	Camp outfit	20.62
	Sheetz & Bishop	Lantern slides	7.50
	D. Frank Parker	Mimeograph ink and paper	16.75
27	Ordnance Department of U. S. Army	Saddle, etc.	23.54
	United States Express Co	Transportation	3.80
	Adams Express Co	do	14.51
29	Jno. Humphrey	Calipers	3.50
	New York, New Haven and Hartford R. R. Co.	Transportation	.82
30	J. V. Doniphan	Salary	32.14
	Geo. B. Sudworth et al	Salaries	3,978.16
May 1	Jas. S. Topham	Camera case	4.50
	Eugene S. Bruce	Salary	123.00
	Geo. L. Clothier	do	82.40
	J. W. Riggs	do	24.70
	H. H. Chapman	do	24.70
	L. H. Pammel	do	24.70
	R. P. Imes	do	24.70
	Wm. L. Bray	do	24.70
	Wm. C. Hodge, jr	do	49.50
	C. D. Burson	do	24.70
	T. Balfour	do	24.70
	E. E. Benedict	do	24.70
	S. C. Mason	do	24.70
	C. E. Bessey	do	24.70
	H. B. Kempton	do	59.30
	Wm. F. Fox	do	24.70
	J. W. Toumey	do	24.70
	N. S. Shaler	do	24.70
	H. M. Fairchild	do	24.70
	G. Fred Schwarz	do	24.70
	H. M. Sutter	do	24.70
3	The Chesapeake & Potomac Telephone Co.	Telephone rent	11.38
	do	do	6.25
8	Western Union Telegraph Co	Telegraph services	13.10
9	Geo. L. Clothier	Traveling expenses	56.58
	L. C. Miller	do	6.60
	R. S. Kellogg	Expenses	28.90
	T. P. Lukins	Salary	24.70
	W. R. Dudley	do	24.70
13	H. C. Roberts Electric Supply Co.	Batteries	2.00
16	Church & Stepenson	Lumber	17.62
	H. B. Kempton	Traveling expenses	109.69
	W. K. Shepard	do	26.55
	Eugene S. Bruce	do	54.75
17	Rudolph, West & Co.	Hatchets	11.00
	do	Making chests	4.01
	E. S. Newman	Copyholder	2.50
	Wm. Walter	Blank holder	30.00
20	Amberg File and Index Co	Indexes	8.60
	do	do	5.80
	A. I. V. Chatfield	Salary	50.00
	H. A. Smith	do	54.70



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
May 20	H. S. Graves	Salary	\$24.70
	Treadwell Cleveland, jr	do	24.70
	R. S. Kellogg	Traveling expenses	15.99
	W. L. Wallace	Salary	24.70
	W. W. Everett	do	24.70
	L. Bronson	do	24.70
	Houghton & Delano	Photographic supplies	126.46
	R. T. Fisher	Traveling expenses	5.00
21	Littlefield, Alvord & Co.	Moving Forestry Division	59.00
24	J. W. Riggs	Expenses	35.00
	H. McCurran	Salary	39.60
27	Pennsylvania R. R. Co.	Passenger transportation	30.41
	Savannah, Florida and Western Ry. Co.	do	7.10
28	Western Union Telegraph Co.	Telegraph service	8.97
	do	do	21.44
31	Geo. B. Sudworth et al.	Salaries	3,191.13
June 1	H. S. Graves	Salary	78.25
	do	do	25.60
	W. K. Shepard	do	1.00
	P. G. Huston	do	25.60
	J. E. Keach	do	29.01
	W. L. Wallace	do	25.60
	W. R. Dudley	do	25.60
	W. W. Everett	do	25.60
	A. C. Ringland	do	25.60
	H. M. Sutter	do	25.60
	C. D. Burson	do	25.60
	R. P. Imes	do	25.60
	S. C. Mason	do	25.60
	W. C. Chadeayne	do	25.60
	F. Tompkins	do	25.60
	T. Balfour	do	25.60
	C. G. Smith	do	25.60
	R. E. Benedict	do	26.60
	J. W. Riggs	do	25.60
	T. P. Lukens	do	25.60
	W. L. Bray	do	25.60
	G. S. Cleland	do	25.60
	F. E. Olmsted	do	85.20
	E. H. Hareford	do	20.60
	W. L. Hall	do	119.20
	A. E. Cahoon	do	5.27
	A. I. V. Chatfield	do	50.00
	Smith Riley	do	100.50
	J. V. Doniphan	do	25.60
	H. D. Tiemann	do	25.60
	H. L. Fairchild	do	25.60
	T. Cleveland, jr	do	25.60
	G. F. Schwarz	do	25.60
	H. Brooks	do	25.60
3	J. W. Tounney	do	25.60
	E. S. Bruce	do	127.80
	W. F. Fox	do	25.60
	N. S. Shaler	do	25.60
	L. H. Pammel	do	25.60
	C. E. Bessey	do	25.60
	Geo. L. Clothier	do	85.20
	H. H. Chapman	do	25.60
4	Southern Rwy. Co.	Passenger transportation	32.45
5	H. A. Smith	Salary	84.00
7	S. B. Gregory	Services	3.85
11	Geo. L. Clothier	Expenses	16.35
	M. Du Perow	Buzzers, etc.	15.95
	Wm. Walter	Repairing tripod	1.00
	Geo. F. Muth & Co.	Plate glass	10.00
	Geo. Shilling	Tapes	7.35
	Jas. S. Topham	Camera cases	10.00
	Fred. A. Schmidt	Cloth	6.50
	The Maurice Joyce Engraving Co.	Engraving autograph	.50
13	Houghton & Delano	Photo supplies	75.40
	do	do	46.73
	do	Films	21.60
	Rudolph, West & Co.	Rules, etc.	9.86
	do	Padlock, etc.	4.57
14	Adams Express Co.	Transportation	17.85
	The Chesapeake and Potomac Telephone Co.	Service	.30
	Queen & Co., Inc.	Repairing aneroids	9.10
15	Mackall Bros	Chemicals, etc.	19.56
	Richd. L. Lamb	Stamps	5.50
17	Wm. L. Hall	Expenses	9.48

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
June 17	R. S. Kellogg	Expenses	\$4.95
	Church & Stephenson	Lumber	8.42
18	Wm. H. Mast	Traveling expenses	6.15
	Eugene S. Bruce	do	62.91
	Manhattan Electrical Supply Co.	Wire, etc.	5.00
	Queen & Co., Inc.	Chairs, etc.	104.10
	A. M. Collins Manufacturing Co.	Cards	16.00
	C. P. Goerz	Shutter	56.34
	The J. W. F. Dorman Co.	Type holder	9.25
	Woodruff Manufacturing Co.	File case	176.50
	Lawyer & Wagner	Camera, etc.	32.50
19	Jas. B. Lambie	Nails	2.95
20	W. C. Hodge, jr.	Salary	51.00
21	Pen-Carbon Manifold Co.	Letter book	9.00
	Library Bureau	Oak case	5.00
	Western Union Telegraph Co.	Service	7.20
	do	do	5.01
	do	do	7.35
	do	do	13.70
22	W. H. B. Kent	Traveling expenses	26.86
	H. B. Kempton	Salary	61.40
25	Pennsylvania R. R. Co.	Passenger transportation	14.60
	New York, New Haven & Hartford R. R. Co.	do	24.50
	Maine Central R. R. Co.	do	12.00
	Boston and Maine R. R. Co.	do	12.00
	The Chesapeake and Ohio Rwy. Co.	do	55.25
	Southern Rwy. Co.	do	38.80
29	G. B. Sudworth et al.	Salaries	2,011.71
	Total fourth quarter		15,920.29
	<i>Supplemental.</i>		
July 1	H. G. Tiemann	Salary	24.70
	A. K. Chittenden	do	13.19
	H. L. Fairchild	do	24.70
	Wm. F. Fox	do	24.70
	N. S. Shaler	do	24.70
	Henry S. Graves	do	24.70
	Karl H. Fenning	do	24.70
	Tredwell Cleveland, jr.	do	24.70
	Henry Brooks	do	49.40
	D. L. Nicks	do	24.70
	E. S. Bruce	do	123.60
	Henry Grinnell	do	59.30
	Coert Du Boise	do	39.60
	Wm. H. Mast	do	24.79
	H. B. Kempton	do	59.30
	H. S. Meekham	do	123.60
	J. W. Touemy	do	24.70
	E. R. Hodson	do	24.70
	W. H. B. Kent	do	5.27
	W. W. Everett	do	24.70
	H. M. Suter	do	24.70
	C. S. Chapman	do	26.37
	R. E. Benedict	do	24.70
	P. G. Huston	do	24.70
	A. C. Ringland	do	24.70
	C. G. Smith	do	24.70
	W. C. Chadeayne	do	24.70
	G. S. Cleland	do	24.70
	F. Thompkins	do	24.70
	T. P. Lukens	do	24.70
	W. L. Bray	do	24.70
	C. E. Bessey	do	24.70
	L. H. Pammel	do	24.70
	E. H. Hareford	do	24.70
	A. F. Hawes	do	39.60
	H. J. Tompkins	do	59.30
	Smith Riley	do	49.50
	F. E. Olmsted	do	82.40
	Wm. C. Hodge, jr.	do	49.50
	R. S. Kellogg	do	24.70
	J. W. Riggs	do	24.70
	C. D. Burson	do	24.70
	Geo. L. Clothier	do	82.40
	H. H. Chapman	do	24.70
	L. C. Miller	do	39.60
	R. P. Imes	do	24.70
	S. C. Mason	do	24.70
	G. F. Schwarz	do	24.70

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## FORESTRY INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901.			
July 1	G. E. Clement.....	Salary.....	\$13.19
	J. E. Keach.....	do.....	24.70
2	Mackall Bros.....	Soda, etc.....	2.45
	Church & Stephenson.....	Lumber.....	27.98
	W. B. Moses & Sons.....	Ice chests, etc.....	24.35
	W. H. Dyer.....	Electric wire.....	3.00
	Wm. Walter.....	Repairing tripod.....	.75
5	Security Storage Co.....	Storage, etc.....	10.00
	Herbert A. Smith.....	Salary.....	14.00
	J. V. Doniphan.....	do.....	24.70
	T. Balfour.....	do.....	24.70
	C. S. Crandall.....	do.....	170.40
	do.....	do.....	164.80
6	R. S. Kellogg.....	Traveling expenses.....	61.19
	Geo. L. Clothier.....	do.....	74.32
	W. L. Hall.....	Salary.....	115.40
	H. M. Curran.....	do.....	40.80
8	do.....	do.....	39.60
9	Houghton & Delano.....	Photographic supplies.....	6.60
10	Eugene S. Bruce.....	Traveling expenses.....	92.81
11	L. C. Miller.....	do.....	42.50
13	Wm. L. Hall.....	do.....	108.63
	Jno. C. Parker.....	Fasteners.....	1.50
	A. Ackerman.....	Salary.....	13.19
16	Anson E. Cahoon.....	Traveling expenses.....	42.65
	R. S. Kellogg.....	do.....	27.35
17	Wm. L. Hall.....	do.....	82.37
	Geo. L. Clothier.....	do.....	49.21
19	L. C. Miller.....	do.....	73.20
20	H. B. Kempton.....	do.....	124.69
23	R. S. Kellogg.....	Expenses.....	33.12
	L. C. Miller.....	do.....	15.50
26	Baltimore and Ohio R. R. Co.....	Passenger transportation.....	28.50
	The Atchison, Topeka and Santa Fe Rwy. Co.....	do.....	3.28
31	Neely Electric Co.....	Annunciator.....	4.00
	D. C. Crain.....	Engraving.....	3.60
Aug. 2	Queen & Co., Inc.....	Dividers, etc.....	6.28
	Pennsylvania R. R. Co.....	Passenger transportation.....	54.85
	Bangor and Aroostook R. R. Co.....	do.....	16.00
	The New York, New Haven and Hartford R. R. Co.....	do.....	5.50
3	The Maurice Joyce Engraving Co.....	Plate.....	.50
5	New York Central and Hudson River R. R. Co.....	Passenger transportation.....	16.11
6	W. R. Dudley.....	Salary.....	24.70
	Leonard Bronson.....	do.....	24.70
	do.....	do.....	25.60
9	J. W. Toumey.....	Traveling expenses.....	11.59
12	Rudolph, West & Co.....	Screws, etc.....	.33
	The Geo. W. Knox Express Co.....	Transportation.....	3.25
	Ray L. Marston.....	Salary.....	13.19
20	Manhattan Electric Supply Co.....	Wire.....	1.69
21	Chesapeake and Potomac Telephone Co.....	Service.....	17.23
	W. L. Wallace.....	Salary.....	24.70
29	Henry S. Graves.....	Traveling expenses.....	56.25
Sept. 4	Alfred Ackerman.....	do.....	42.46
	The Press Clipping Bureau.....	Clippings.....	23.96
7	W. L. Hall.....	Expenses.....	6.40
Oct. 4	International and Great Northern R. R. Co.....	Passenger transportation.....	42.30
	Houston and Texas Central R. R. Co.....	do.....	13.40
	Missouri, Kansas and Texas Rwy. Co.....	do.....	7.85
5	Boston and Maine R. R. Co.....	do.....	6.47
	New York Central and Hudson River R. R. Co.....	do.....	22.23
	Union Pacific R. R. Co.....	do.....	5.68
12	Postal Telegraph Cable Co.....	Service.....	6.74
	Total.....		3,761.32

## RECAPITULATION.

First quarter.....	\$15,433.32
Second quarter.....	22,635.86
Third quarter.....	18,965.05
Fourth quarter.....	15,920.29
Supplemental.....	3,761.32
Total.....	76,715.84



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## APPALACHIAN MOUNTAIN REGION.

Date.	Name.	Nature of payment.	Total.
1900.			
Aug. 16	Walter Mulford.....	Traveling expenses.....	\$26.90
22	H. B. Ayres.....	Office expenses.....	83.81
	do.....	Traveling expenses.....	71.12
Sept. 5	W. W. Ashe.....	Salary.....	170.00
19	A. E. Cates.....	do.....	41.61
22	H. B. Ayres.....	Expenses.....	49.70
	Total first quarter.....		448.14
Oct. 3	Walter Mulford.....	Salary.....	62.83
5	C. D. Ruland.....	do.....	37.53
12	H. B. Ayres.....	Traveling expenses.....	59.14
30	J. A. Suit.....	do.....	9.75
Nov. 1	W. W. Ashe.....	Salary.....	65.80
	A. E. Cates.....	Labor.....	15.00
	W. W. Ashe.....	Salary.....	28.33
3	J. A. Suit.....	do.....	26.93
12	A. E. Cates.....	Traveling expenses.....	81.41
	do.....	Expenses.....	18.00
	H. B. Ayres.....	Traveling expenses.....	79.51
21	J. A. Suit.....	do.....	15.50
Dec. 1	do.....	Salary.....	24.40
11	W. W. Ashe.....	do.....	85.00
	Total second quarter.....		609.13
1901.			
Jan. 2	W. W. Ashe.....	Salary.....	85.00
16	do.....	Traveling expenses.....	380.85
	Total third quarter.....		465.85
Apr. 11	H. B. Ayres.....	Traveling expenses.....	92.35
	do.....	do.....	129.45
	do.....	do.....	47.50
16	do.....	do.....	102.40
	Total fourth quarter.....		371.70

## RECAPITULATION.

First quarter.....	\$448.14
Second quarter.....	609.13
Third quarter.....	465.85
Fourth quarter.....	371.70
Total.....	1,894.82

## EXPERIMENTAL GARDENS AND GROUNDS.

Date.	Name.	Nature of payment.	Total.
1900.			
July 7	Christopher Hayes.....	Packing moss.....	\$10.00
21	do.....	do.....	60.00
31	Jas. K. Kerr et al.....	Salaries.....	1,551.37
Aug. 3	Paul Hiser, jr., & Bro.....	Flower pots.....	40.00
11	Christopher Hayes.....	Peat.....	24.00
14	Hugh Reilly.....	Glass.....	30.00
	Ernest Betz.....	Making iron pan.....	1.50
	Thos. Somerville & Sons.....	Tanks.....	5.50
	Rudolph West & Co.....	Hardware.....	3.94
21	United States Electric Lighting Co.....	Electric light.....	77.50
25	Church & Stephenson.....	Lumber.....	38.75
31	Jas. K. Kerr et al.....	Salaries.....	1,559.20
Sept. 7	Exter Machine Works.....	Repairing boiler.....	13.50
	Henry A. Dreer, Incorporated.....	Smilax plants.....	2.50
12	United States Electric Lighting Co.....	Lighting grounds.....	77.50
	Ernest Betz.....	Pipe.....	4.50
15	Chas. Becker.....	Lead.....	3.00
29	Jas. K. Kerr et al.....	Salaries.....	1,612.07
	Total first quarter.....		5,114.83
Oct. 10	Edw. S. Schmidt.....	Plant stakes.....	32.50
12	Church & Stephenson.....	Lumber.....	57.00
	Chas. Becker.....	Oil.....	33.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## EXPERIMENTAL GARDENS AND GROUNDS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Oct. 16	United States Electric Lighting Co.....	Lighting grounds .....	\$71.92
24	W. A. Manda .....	Bulbs .....	88.00
27	Matthew Myers .....	Manure .....	37.56
30	Geo. F. Muth & Co.....	Lead, tools, etc .....	39.52
	Hugh Reilly .....	Paints .....	13.16
	Forsberg & Murray .....	Boiler plate .....	.75
31	Jas. K. Kerr et al .....	Salaries .....	1,928.32
Nov. 1	Chas. Brent .....	Grass seeds .....	14.00
	J. T. Brown .....	Manure .....	45.00
2	The Cottage Gardens .....	Carnations .....	16.00
14	Peter Henderson & Co.....	Pansy plants .....	3.00
	G. L. Taber .....	Oranges, etc .....	9.85
16	Peter Henderson & Co.....	Grass seed .....	4.20
17	Rudolph, West & Co.....	Bolts and screws .....	2.60
	The W. W. Biggs Heating and Ventilating Co.	Tank heater .....	35.00
21	Church & Stephenson .....	Lumber .....	66.93
	Paul Hiser, jr., & Bro .....	Flower pots .....	43.90
	Albert M. Herr .....	Pansy plants .....	4.00
27	Thos. Somerville & Sons .....	Pipe, etc .....	30.00
30	Jas. K. Kerr et al .....	Salaries .....	1,343.55
Dec. 3	E. J. Rawlings .....	Japonica .....	1.00
	The W. W. Biggs Heating and Ventilating Co.	Radiators .....	26.00
6	Denys Zirngiebel .....	Pansy seeds .....	2.00
	Geo. Meier & Co.....	Bronze .....	2.13
14	A. & G. Rossbach .....	Plants .....	3.00
	Peter Henderson & Co.....	Plants, etc .....	16.29
17	Z. D. Gilman .....	Thermometers .....	15.00
	Wm. Ryan .....	Manure .....	4.00
	Church & Stephenson .....	Lumber .....	13.59
	Jno. H. Ley .....	Ferns .....	3.00
	N. Studer .....	Plants .....	20.00
	M. Du Perow .....	Speaking tubes .....	6.10
21	United States Electric Lighting Co.....	Arch lights .....	74.88
	do .....	Lighting grounds .....	73.36
29	German Seed and Plant Co.....	Seeds .....	4.30
	Jas. B. Lambie .....	Flatiron .....	.53
31	Jas. K. Kerr et al .....	Salaries .....	1,306.57
	Total second quarter .....		5,491.45
1901.			
Jan. 3	P. C. Berckmanns Co .....	Plants .....	17.00
	Peter Henderson & Co.....	Carnations .....	30.70
14	W. H. Butler .....	Paint .....	3.00
	Rudolph, West & Co.....	Screws .....	.69
16	United States Electric Lighting Co.....	Lighting grounds .....	77.45
19	Henry A. Dreer, Incorporated .....	Seeds .....	6.50
21	Library Bureau .....	Cards .....	2.90
24	Jas. E. Albinson .....	Repairs .....	10.60
26	Blue Line Transfer Co.....	Transportation .....	1.89
31	E. M. Byrnes et al .....	Salaries .....	1,274.05
Feb. 5	The Jno. A. Doyle Co.....	Roses .....	22.00
12	Church & Stephenson .....	Lumber .....	15.28
	The Chesapeake and Potomac Telephone Co.	Telephone rent .....	4.35
18	J. P. Brass .....	Sand .....	7.00
	C. Becker .....	Horse blankets .....	7.00
21	Paul Hiser, jr., & Bro.....	Flower pots .....	49.20
26	Thos. Somerville & Sons .....	Plumbing .....	6.29
	Geo. F. Muth & Co.....	Lanterns .....	1.00
	J. T. Walker Sons .....	Lime .....	.75
	United States Electric Lighting Co.....	Electric lights .....	77.50
27	Edwd. S. Schmidt .....	Nicotine .....	3.60
	Adams Express Co.....	Transportation .....	.55
28	The Draper Manufacturing Co.....	Charts .....	1.56
	E. M. Byrnes et al .....	Salaries .....	1,211.10
Mar. 5	Mackall Bros .....	Soap .....	6.00
	Jas. B. Lambie .....	Files, etc .....	3.50
14	Rudolph, West & Co.....	Padlocks .....	3.51
	do .....	Hooks, etc .....	7.02
18	Paul Hiser, jr., & Bro.....	Flower pots .....	35.00
19	Thos. Somerville & Sons .....	Boiler fittings .....	7.36
21	Church & Stephenson .....	Lumber .....	41.54
23	Peter Henderson & Co.....	Labels .....	7.18
25	Rudolph, West & Co.....	Wire cloth .....	19.08
	United States Electric Lighting Co.....	Lighting grounds .....	69.44
30	E. M. Byrnes et al .....	Salaries .....	1,293.91
	Total third quarter .....		4,325.50

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## EXPERIMENTAL GARDENS AND GROUNDS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Apr. 2	J. T. Walker Sons	Lime	\$25.00
	Ernest Betz	Repairs to boiler	3.25
	E. S. Schmid	Nicoticide	7.00
	Paul Riser, jr., & Bro	Flower pots	60.00
9	Chas. R. Edmonston	Jars	7.00
16	Rudolph, West & Co	Hardware	5.67
17	H. H. Brooke	Grass seed	3.00
18	J. P. Nawrath	Twine	2.30
20	United States Electric Lighting Co.	Lighting grounds	77.50
24	Geo. F. Muth & Co	Paints	36.13
25	Peter Henderson & Co	Grass seeds	8.75
	Hiram T. Jones	Seeds	3.75
	Henry A. Dreer, Incorporated	do	9.68
	do	Plants	9.50
	Edwd. S. Schmid	Moss	1.50
	Jno. Bogle	Plants	15.00
27	Chas. White	Sod	4.25
	United States Express Co	Transportation	7.10
	Adams Express Co	do	13.65
30	E. M. Byrnes et al	Salaries	1,334.05
May 2	H. Weber & Sons	Carnations	17.00
4	S. P. Johnson	Spring for typewriter	.60
	Wyckoff, Seamans & Benedict	Repairing typewriter	21.50
13	Edwd. S. Schmid	Moss	7.50
	Henry A. Dreer, Incorporated	Chrysanthemums	5.50
16	United States Electric Lighting Co.	Lighting grounds	82.50
	Edwd. S. Schmid	Punk	3.60
	The Chesapeake and Potomac Telephone Co.	Telephone service	7.00
	Jno. C. Parker	Pencil pointer	3.50
17	Rudolph, West & Co	Iron basins	1.98
	do	Hinges	.50
	Church & Stephenson	Lumber	113.49
20	Library Bureau	Cards	2.90
27	J. Louis Loose	Lily plants	18.25
28	The Geo. W. Knox Express Co	Drayage	2.85
	Jas. B. Lambie	Shears, etc	14.05
	Edwd. S. Schmid	Moss	12.00
31	E. M. Byrnes et al	Salaries	1,334.43
June 4	Ernest Betz	Sprinklers	2.75
11	Harry Hoskinson	Seeds	3.15
	Chas. Becker	Linseed oil	3.00
	Jno. C. Parker	Paraffin paper	14.25
	Edw. S. Schmid	Packing moss	7.50
	do	Hose menders	1.00
13	Jno. B. Lord	Gravel	5.00
	Rudolph, West & Co	Trowels	1.38
14	Louis Hartig	Pulley	.20
	J. M. Thorburn & Co	Lawn sprinkler	5.00
17	P. N. Heiskell, jr., & Co	Mower, etc	44.00
	do	Mower sections	5.00
	do	Rivets	.75
	Church & Stephenson	Lumber	117.25
	do	do	36.36
18	Jas. B. Lambie	Nails	5.83
	J. T. Walker Sons	Lime	6.75
	Wm. Minnis	Tinning	36.00
	C. M. Wolf & Co	Baskets	1.50
19	W. B. Moses & Sons	Cooler and stand	5.50
21	The Maurice Joyce Engraving Co.	Making labels	12.50
	Chas. Becker	Oil	6.00
	Thos. W. Smith	Window frames, etc	59.75
	Church & Stephenson	Lumber	15.53
	J. W. Lynch	Plastering, etc	50.00
	C. R. Baird & Co	Sweet potatoes	1.10
25	J. T. Willard	do	.60
	Chas. Becker	Liquid granite	2.50
	Geo. F. Muth & Co	Paints, etc	3.13
27	United States Electric Lighting Co	Arc lamps	77.40
28	Rudolph, West & Co	Locks, etc	1.58
	E. Morrison Paper Co	Yellow paper	1.40
	Hugh Reilly	Paint	1.36
	do	do	1.50
29	E. M. Byrnes et al	Salaries	1,062.85
	Total fourth quarter		4,882.65
	Supplemental.		
July 2	W. H. Butler	Whiting	1.00
5	Adams Express Co.	Transportation	.35



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## EXPERIMENTAL GARDENS AND GROUNDS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901.			
July 5	Adams Express Co .....	Transportation .....	\$10.20
13	Rudolph, West & Co .....	Screws .....	.81
	do .....	Tape line, etc .....	2.32
17	Geo. F. Muth & Co .....	Wall brushes, etc .....	9.57
	Rudolph, West & Co .....	Mouse traps .....	2.54
18	F. S. Newcomb .....	Seed sweet potatoes .....	1.50
19	United States Express Co .....	Transportation .....	1.90
	United States Electric Lighting Co .....	Use arc lamp .....	82.31
30	Thos. W. Smith .....	Doors .....	10.89
Aug. 2	Chas. S. Brent & Bro .....	Seeds .....	8.05
12	The Geo. W. Knox Express Co .....	Transportation .....	22.90
21	The Chesapeake and Potomac Telephone Co.	Service .....	7.00
	do .....	do .....	.15
	Total .....		161.40

## RECAPITULATION.

First quarter .....	\$5,114.83
Second quarter .....	3,491.45
Third quarter .....	4,325.50
Fourth quarter .....	4,882.65
Supplemental .....	161.40
Total .....	19,975.83

## SOIL INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1900.			
July 23	Queen & Company, Inc .....	Bell odometer .....	\$5.00
31	M. L. Floyd et al .....	Salaries .....	1,311.17
Aug. 1	Eimer & Amend .....	Triple arrest .....	72.00
11	Geo. N. Coffey .....	Traveling expenses .....	17.72
	Jno. G. Holmes .....	Services .....	75.00
	J. A. Bonsteel .....	Salary .....	84.20
17	C. W. Dorsey .....	Office expenses .....	9.19
	do .....	Traveling expenses .....	86.58
18	Frank D. Gardner .....	do .....	85.07
	Thos. H. Means .....	do .....	108.00
	do .....	Office expenses .....	9.89
20	Bausch & Lomb Optical Co .....	Supplies .....	2.78
21	United States Electric Lighting Co .....	Light .....	6.66
	Washington Gas Light Co .....	Gas .....	2.20
	Macy H. Lapham .....	Traveling expenses .....	34.75
22	J. A. Bonsteel .....	do .....	77.75
	R. T. A. Burke .....	do .....	44.96
	Fredk. Carl .....	Making filter .....	9.70
	Milton Whitney .....	Traveling expenses .....	132.11
	Thos. Somerville & Sons .....	Augers .....	5.20
31	M. L. Floyd et al .....	Salaries .....	1,285.09
Sept. 8	do .....	Traveling expenses .....	34.31
12	Washington Gas Light Co .....	Gas .....	3.50
13	Jno. G. Holmes .....	Salary .....	75.00
15	C. W. Dorsey .....	Traveling expenses .....	92.09
17	United States Electric Lighting Co .....	Electric current .....	7.34
	Milton Whitney .....	Traveling expenses .....	37.70
19	C. W. Dorsey .....	Expenses .....	13.72
21	New York Central and Hudson River R. Co.	Passenger transportation .....	66.80
	Frank D. Gardner .....	Traveling expenses .....	98.50
	R. T. A. Burke .....	do .....	24.00
	J. A. Bonsteel .....	do .....	76.05
	Macy H. Lapham .....	do .....	29.12
24	Geo. N. Coffey .....	do .....	53.76
29	M. L. Floyd et al .....	Salaries .....	1,295.95
	Total first quarter .....		5,372.86
Oct. 1	J. A. Bonsteel .....	Salary .....	165.80
4	A. Weiskettel & Son .....	Baking plates .....	17.28
	Milton Whitney .....	Traveling expenses .....	58.22
5	Pennsylvania R. R. Co .....	Passenger transportation .....	6.79

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 9	Jno. G. Holmes .....	Salary .....	\$75.00
10	Woodward & Lothrop .....	Saucepans .....	2.70
12	J. A. Bonsteel .....	Traveling expenses .....	72.55
	Thos. H. Means .....	do .....	145.95
	do .....	Expenses .....	12.85
	Mackall Bros .....	Laboratory supplies .....	2.60
15	Whitall, Tatum & Co .....	Beakers .....	11.65
16	Houghton & Delano .....	Slides .....	1.20
	United States Electric Lighting Co .....	Electric current .....	6.55
	Washington Gas Light Co .....	Gas .....	2.60
24	Frank D. Gardner .....	Traveling expenses .....	130.60
	New York, New Haven and Hartford R. R. Co. ....	Passenger transportation .....	18.15
	Seaboard Air Line Rwy Co. ....	do .....	12.05
	Southern California Rwy Co .....	do .....	77.75
	Pennsylvania R. R. Co .....	do .....	47.16
	The Rio Grande Western Rwy Co .....	do .....	6.50
	Atlantic and North Carolina R. R. Co. ....	do .....	1.90
26	Thos. Means .....	Traveling expenses .....	47.95
30	C. W. Dorsey .....	do .....	155.60
	Thos. Somerville & Sons .....	Repairing boilers .....	22.70
	R. T. A. Burke .....	Traveling expenses .....	16.45
31	M. L. Floyd et al .....	Salaries .....	1,370.10
Nov. 1	Marcel Cordove .....	Salary .....	27.50
	J. A. Du Bon .....	do .....	115.00
	J. A. Bonsteel .....	do .....	84.20
	C. A. Jensen .....	do .....	40.40
	J. G. Holmes .....	do .....	75.00
3	The Chesapeake and Potomac Telephone Co. ....	Telephone service .....	6.25
	do .....	do .....	.83
7	Wm. H. Rau .....	Colored slides .....	9.50
9	C. A. Jensen .....	Traveling expenses .....	20.45
12	J. A. Bonsteel .....	do .....	66.10
17	Mackall Bros .....	Chemicals .....	13.97
	Frank D. Gardner .....	Traveling expenses .....	86.22
23	J. G. Holmes .....	do .....	171.35
24	Baltimore and Ohio R. R. Co. ....	Passenger transportation .....	62.55
27	Z. D. Gilman .....	Triangles .....	1.50
	United States Electric Lighting Co .....	Electric current .....	8.54
	Washington Gas Light Co .....	Gas .....	9.70
30	M. L. Floyd et al .....	Salaries .....	1,466.00
Dec. 1	Jno. A. Du Bon .....	Salary .....	75.00
	J. A. Bonsteel .....	Traveling expenses .....	41.38
	Jno. G. Holmes .....	Salary .....	75.00
2	Emil Greiner .....	Tongs .....	4.50
	Geo. B. Massey .....	Traveling expenses .....	4.10
5	Forsberg & Murray .....	Smokestack .....	58.00
	Rudolph, West & Co. ....	Brads, etc. ....	.23
	Pennsylvania Co .....	Passenger transportation .....	11.75
	Atlantic Coast Line R. R. Co. ....	do .....	8.60
6	M. L. Floyd .....	Traveling expenses .....	54.33
7	Milton Whitney .....	do .....	34.05
	do .....	do .....	31.60
10	J. G. Holmes .....	Expenses .....	5.75
	do .....	Traveling expenses .....	100.80
11	Fredk. Carl .....	Laboratory apparatus .....	20.80
14	P. F. Van Everen .....	Labels .....	3.00
17	Z. D. Gilman .....	Desiccators .....	15.22
	Rudolph, West & Co. ....	Brads, etc. ....	1.40
	M. Du Perow .....	Switches .....	2.22
	J. A. Bonsteel .....	Salary .....	81.60
18	Library Bureau .....	Guides .....	1.28
19	Jno. Springman .....	Grate bars .....	14.00
20	The Kny Sheerer Co .....	Burners .....	1.00
	Baltimore and Ohio R. R. Co. ....	Passenger transportation .....	14.00
21	United States Electric Lighting Co .....	Electric light .....	8.69
	Washington Gas Light Co .....	Gas .....	7.90
26	M. L. Floyd .....	Traveling expenses .....	42.49
	Albert E. Acker & Co .....	Tube, coupling, etc .....	10.25
29	Church & Stephenson .....	Lumber .....	19.16
	do .....	do .....	39.36
	Jas. B. Lambie .....	Hinges .....	.32
31	F. D. Gardner et al .....	Salaries .....	1,619.70
	Total second quarter .....		7,161.19
1901.			
Jan. 2	Pennsylvania R. R. Co .....	Passenger transportation .....	48.20
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. ....	do .....	17.20

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Jan. 2	The Rio Grande and Western Rwy. Co. ....	Passenger transportation .....	\$100.25
	Central R. R. Co. of New Jersey .....	do .....	6.50
	Pennsylvania Co. ....	do .....	11.00
	J. A. Du Bon .....	Salary .....	75.00
3	Bausch & Lomb Optical Co. ....	Cylinders .....	3.32
	Whital, Tatum & Co. ....	Beakers, etc .....	16.66
4	Eimer & Amend .....	Seives, etc .....	12.70
7	Mackall Bros .....	Chemicals .....	19.17
	Church & Stephenson .....	Lumber .....	6.00
12	Milton Whitney .....	Traveling expenses .....	16.19
	J. A. Bonsteel .....	do .....	6.25
	M. L. Floyd .....	do .....	26.90
14	Houghton & Delano .....	Photo supplies .....	4.99
	E. J. Pullman .....	do .....	5.80
	Chas. R. Edmontson .....	Filter and tube .....	6.55
	Barber & Ross .....	Steel figures .....	.50
	Z. D. Gilman .....	Jars and glasses .....	38.52
16	Washington Gas Light Co. ....	Gas .....	10.00
18	Jno. C. Parker .....	Manila paper .....	9.68
21	Eimer & Amend .....	Tubes .....	6.25
	Whital, Tatum & Co. ....	Glass and tubes .....	1.41
22	Thos. Somerville & Sons .....	Gas connections .....	1.04
24	United States Electric Lighting Co. ....	Electric current .....	8.68
26	Jno. A. Du Bon .....	Salary .....	39.87
31	Frank D. Gardner et al .....	Salaries .....	1,641.50
Feb. 1	E. J. Pullman .....	Lantern slides .....	6.50
	Geo. B. Massey .....	Traveling expenses .....	6.93
6	Southern California Rwy. Co. ....	Passenger transportation .....	140.25
	do .....	do .....	54.80
	New York, New Haven and Hartford R. R. Co. ....	do .....	15.55
	do .....	do .....	6.80
	Pennsylvania Co. ....	do .....	23.35
	Baltimore and Ohio R. R. Co. ....	do .....	17.50
	Pennsylvania R. R. Co. ....	do .....	32.55
	do .....	do .....	21.59
12	The Chesapeake and Potomac Telephone Co. ....	Telephone rent .....	6.25
	do .....	do .....	.75
19	Whital, Tatum & Co. ....	Flasks .....	4.98
26	J. T. Walker Sons .....	Felt .....	.40
	Rudolph, West & Co. ....	Turns .....	.81
	Z. D. Gilman .....	Stoppers, tubing, etc .....	6.40
	United States Electric Lighting Co. ....	Electric current .....	8.36
	Washington Gaslight Co. ....	Gas .....	14.00
	Adams Express Co. ....	Transportation .....	4.66
27	Frank D. Gardner et al .....	Salaries .....	1,523.60
28	Milton Whitney .....	Traveling expenses .....	9.10
Mar. 5	Geo. B. Massey .....	do .....	6.45
14	E. J. Pullman .....	Negative of map .....	5.00
	Bausch & Lomb Optical Co. ....	Laboratory supplies .....	11.48
	Whital, Tatum & Co. ....	Bottles .....	1.08
19	Fred. A. Schmidt .....	Metal tapes .....	10.40
	Mackall Bros .....	Chemicals .....	14.12
	M. Du Perow .....	Electrical supplies .....	3.25
21	J. Manz Engraving Co. ....	Engraving .....	22.00
23	S. H. Davis & Co. ....	Odometers .....	45.00
	M. L. Floyd .....	Traveling expenses .....	7.27
	do .....	do .....	25.04
25	Washington Gaslight Co. ....	Gas .....	12.10
	United States Electric Lighting Co. ....	Electric current .....	9.70
	The Chesapeake and Potomac Telephone Co. ....	Telephone service .....	.60
30	M. L. Floyd et al .....	Salaries .....	1,842.70
	Total third quarter .....		6,053.45
Apr. 1	Pennsylvania R. R. Co. ....	Passenger transportation .....	6.20
	do .....	do .....	11.25
	Hannibal and St. Joseph R. R. Co. ....	do .....	23.80
	Southern Pacific Co. ....	do .....	3.60
	do .....	do .....	28.50
2	Jas. B. Lambie .....	Belting, etc .....	2.76
	Mackall Bros .....	Chemicals .....	5.31
	Wm. H. Dyer .....	Instrument cases .....	26.25
	Jno. W. Collins & Son .....	Copper boxes .....	6.50
	Jas. S. Topham .....	Trunks .....	30.00
	Z. D. Gilman .....	Desiccators, etc .....	15.14
3	Emil Greiner .....	Rubber bulbs .....	4.50



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Apr. 3	W. & L. E. Gurley .....	Compasses, etc .....	\$85.85
9	Rudolph, West & Co. ....	Auger, etc .....	16.96
	Z. D. Gilman .....	Bulbs and tubing .....	3.70
12	Eimer & Amend .....	Burettes .....	13.95
	Manhattan Electric Supply Co. ....	Pliers .....	3.90
	Schnieder Bros. ....	Thermometers .....	12.00
16	Bausch & Lomb Optical Co .....	Tubes, etc .....	7.44
19	Eimer & Amend .....	Air pump .....	23.20
	E. C. Howell .....	Picks .....	27.00
20	Houghton & Delano .....	Borax .....	.85
	United States Electric Lighting Co. ....	Electric current .....	12.86
	Washington Gaslight Co. ....	Gas .....	12.60
22	Thos. Somerville & Sons .....	Repairs to boiler .....	22.45
	do .....	Work on cylinder .....	1.83
	The New York, New Haven and Hartford R. R. Co. ....	Passenger transportation .....	8.75
24	Frederick Carl .....	Laboratory apparatus .....	39.70
	do .....	do .....	6.75
27	United States Express Co .....	Transportation .....	1.36
	Adams Express Co. ....	do .....	2.06
30	F. K. Cameron et al. ....	Salaries .....	1,579.13
May 3	The Chesapeake and Potomac Telephone Co. ....	Telephone rent .....	7.00
8	Western Union Telegraph Co. ....	Telegraph service .....	4.59
	do .....	do .....	2.84
16	United States Electric Lighting Co. ....	Electric current .....	13.97
17	Frederick Carl .....	Apparatus .....	11.05
27	Pennsylvania R. R. Co. ....	Passenger transportation .....	18.54
	The New York, New Haven and Hartford R. R. Co. ....	do .....	8.75
28	Western Union Telegraph Co. ....	Telegraph services .....	3.49
	do .....	do .....	3.74
	do .....	do .....	1.33
	do .....	do .....	1.65
31	F. K. Cameron et al. ....	Salaries .....	1,618.60
June 4	Washington Gaslight Co. ....	Gas .....	9.20
11	Z. D. Gilman .....	Flasks, etc .....	32.39
	M. Du Perow .....	Fan .....	12.90
14	Whitall, Tatum & Co. ....	Mailing cases .....	11.04
15	R. Carter Ballantyne .....	Tags .....	2.10
17	Fredk. Carl .....	Filter pumps .....	24.00
18	H. C. Roberts Electrical Supply Co. ....	Batteries .....	4.80
	James B. Lambie .....	Wrenches .....	2.50
21	Western Union Telegraph Co. ....	Service .....	4.94
22	E. J. Pullman .....	Photo paper .....	3.00
24	E. Morrison Paper Co. ....	Manila paper .....	4.50
27	United States Electric Lighting Co. ....	Electric current .....	9.04
	Washington Gaslight Co. ....	Gas .....	14.10
29	F. K. Cameron et al. ....	Salaries .....	1,602.87
	Total fourth quarter .....		5,477.08
	<i>Supplemental.</i>		
July 2	Dulin & Martin Co. ....	Stew pans .....	3.25
	Jno. R. Galloway .....	Fan .....	37.00
5	Adams Express Co. ....	Transportation .....	4.37
13	Houghton & Delano .....	Hydricion .....	.80
19	United States Electrical Co. ....	Electric current .....	7.50
	Washington Gaslight Co. ....	Gas .....	11.60
Aug. 3	Jno. C. Parker .....	Pamphlet covers .....	10.50
12	The Geo. W. Knox Express Co. ....	Transportation .....	4.20
	do .....	do .....	1.54
21	The Chesapeake and Potomac Telephone Co. ....	Services .....	7.00
22	Z. D. Gilman .....	Filter tubes, etc .....	7.50
	Total .....		95.26

## RECAPITULATION.

First quarter .....	\$5,482.86
Second quarter .....	7,161.19
Third quarter .....	6,053.45
Fourth quarter .....	5,477.08
Supplemental .....	95.26
Total .....	24,269.84

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## SOIL INVESTIGATIONS.

[Appropriation for 1901-2.]

Date.	Name.	Nature of payment.	Total.
1901.			
Mar. 23	M. L. Floyd .....	Traveling expenses .....	\$32.30
30	Geo. Russell Taggart .....	Salary .....	38.89
	Total third quarter, 1901 .....		71.19
Apr. 1	Henriette Burley .....	Washing sacks .....	3.50
2	R. P. Clarke Co. ....	Sheeting .....	3.00
4	C. W. Dorsey .....	Traveling expenses .....	8.85
8	Geo. B. Massey .....	do .....	8.50
	Jno. A. Bonsteel .....	do .....	5.47
9	E. J. Fulman .....	Photo supplies .....	7.95
10	Agnes Hinton .....	Making sacks .....	24.00
	Jas. B. Lambie .....	Iron .....	1.07
12	E. B. Sheller .....	Seeds .....	12.00
	W. G. Smith .....	Traveling expenses .....	21.75
13	F. P. Veitch .....	do .....	17.59
16	M. H. Lapham .....	do .....	40.15
	S. P. Johnson .....	Caligraph .....	67.50
	Mackall Bros .....	Silver nitrate .....	3.43
18	J. G. Holmes .....	Traveling expenses .....	43.65
24	Whitall, Tatam & Co. ....	Beakers .....	2.55
30	M. L. Floyd et al. ....	Salaries .....	587.50
May 1	E. J. Pullman .....	Plates .....	7.92
	Geo. T. McNess .....	Salary .....	98.90
	W. H. Helleman .....	do .....	98.90
	J. O. Martin .....	do .....	82.40
	Chas. N. Mooney .....	do .....	40.00
	H. J. Wilder .....	do .....	40.00
	Thos. D. Rice .....	do .....	40.00
	Louis Messmer .....	do .....	40.00
	J. B. Stewart .....	do .....	40.00
	Frank Bennett, jr. ....	do .....	40.00
	B. A. Olshansen .....	do .....	40.00
	W. E. Hearn .....	do .....	40.00
	E. C. McDuffie .....	do .....	40.00
	J. E. Lapham .....	do .....	40.00
	Hugh McGuigan .....	do .....	40.00
2	G. Cramer Dry Plate Co. ....	Plates .....	7.92
	Defender Photo Supply Co. ....	Blue-print paper .....	1.25
4	Geo. B. Massey .....	Traveling expenses .....	12.02
	Milton Whitney .....	do .....	10.82
7	J. A. Bonsteel .....	do .....	215.45
	Thos. A. Means .....	do .....	34.36
11	Geo. T. McNess .....	do .....	12.89
	E. C. McDuffie .....	do .....	4.10
13	W. & L. C. Gurley .....	Compasses .....	13.20
16	J. B. Stewart .....	Salary .....	19.35
	Mackall Bros .....	Chemicals .....	10.85
	Z. D. Gilman .....	Filter paper .....	4.90
17	Thos. Somerville & Sons .....	Fittings .....	.93
20	M. L. Floyd .....	Traveling expenses .....	82.01
	do .....	Expenses .....	13.82
	Hugh McGuigan .....	Salary .....	6.45
21	Houghton & Delano .....	Photo supplies .....	6.60
24	Chas. A. Jensen .....	Traveling expenses .....	113.80
	J. G. Holmes .....	do .....	119.55
	M. H. Lapham .....	do .....	130.47
	Eimer & Amend .....	Apparatus .....	14.55
27	Southern Rwy. Co. ....	Passenger transportation .....	77.00
	Pennsylvania R. R. Co. ....	do .....	25.25
28	D. F. Parker .....	Typewriter stand .....	4.75
June 1	M. L. Floyd et al. ....	Salaries .....	736.50
	H. J. Wilder .....	Salary .....	40.00
	J. E. Lapham .....	do .....	40.00
	J. O. Martin .....	do .....	85.20
	Geo. T. McNess .....	do .....	102.20
	Thos. D. Rice .....	do .....	40.00
	Chas. M. Mooney .....	do .....	40.00
	F. Bennett, jr. ....	do .....	40.00
	W. E. Hearn .....	do .....	40.00
	B. A. Olshansen .....	do .....	40.00
	E. C. McDuffie .....	do .....	40.00
	L. Messmer .....	do .....	40.00
	W. H. Hileman .....	do .....	102.20
4	Baltimore & Ohio R. R. Co. ....	Passenger transportation .....	17.00
	Seaboard Air Line Rwy. Co. ....	do .....	25.25
	Pennsylvania R. R. Co. ....	do .....	114.25
	J. A. Bonsteel .....	Traveling expenses .....	304.68

# 132 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## SOIL INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901. June 7	C. W. Dorsey .....	Traveling expenses .....	\$55.05
	W. G. Smith .....	do .....	34.52
	Geo. B. Massey .....	do .....	13.60
	Milton Whitney .....	do .....	68.44
11	M. H. Lapham .....	do .....	122.50
	Thos. H. Kearney .....	do .....	45.60
13	J. G. Holmes .....	do .....	124.65
	Chas. A. Jensen .....	do .....	120.75
14	E. J. Pullman .....	Carbon paper .....	1.20
15	Rudolph. West & Co. ....	Augers .....	5.63
	R. P. Clarke & Co. ....	Muslin .....	4.00
18	Western Electric Co .....	Coils for thermometers .....	6.00
22	M. L. Floyd .....	Traveling expenses .....	80.90
24	G. T. McNess .....	Expenses .....	4.50
	do .....	Traveling expenses .....	21.43
25	Pennsylvania R. R. Co .....	Passenger transportation .....	9.50
	New York, New Haven and Hartford R. R. Co. ....	do .....	4.50
	Southern Rwy. Co. ....	do .....	78.40
28	The Maurice Joyce Engraving Co. ....	Engraving .....	2.80
29	J. O. Martin .....	Salary .....	82.40
	J. E. Lapham .....	do .....	40.00
	M. L. Floyd et al .....	Salaries .....	732.30
	Total fourth quarter .....		6,034.82

## RECAPITULATION.

Third quarter .....	\$71.19
Fourth quarter .....	6,034.82
Total .....	6,106.01

## RENT OF BUILDING.

Date.	Name.	Nature of payment.	Total.
1900. Aug. 14	Jno. F. Shea .....	Rent .....	\$55.00
Sept. 5	do .....	do .....	55.00
	Total first quarter .....		110.00
Oct. 20	Jno. F. Shea .....	Rent .....	55.00
Nov. 13	do .....	do .....	55.00
Dec. 6	do .....	do .....	55.00
	Total second quarter .....		165.00
1901. Jan. 7	Jno. F. Shea .....	Rent .....	55.00
Feb. 5	do .....	do .....	55.00
Mar. 2	do .....	do .....	55.00
	Total third quarter .....		165.00
Apr. 3	Jno. F. Shea .....	Rent .....	55.00
May 2	do .....	do .....	55.00
June 11	do .....	do .....	55.00
	Total fourth quarter .....		165.00
	Supplemental.		
July 17	Jno. F. Shea .....	Rent .....	55.00
	Total .....		660.00

## GRASS AND FORAGE PLANT INVESTIGATIONS.

1900. July 19	Southern Printers' Supply Co. ....	Electros .....	\$4.25
28	Houghton & Delano .....	Plates, etc .....	8.94
	Henry H. Brown .....	Films .....	4.20
31	E. D. Merrill et al .....	Salaries .....	366.70



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## GRASS AND FORAGE PLANT INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Aug. 1	Burke Bros .....	Kodaks, etc. ....	\$34.00
	Louis W. Carter .....	Salary .....	55.00
	H. L. Bentley .....	do .....	50.50
2	F. Lamson-Scribner .....	Traveling expenses .....	45.25
3	A. B. Leckenby .....	Salary .....	101.10
6	Elias Nelson .....	do .....	100.00
10	James R. Collins .....	Bushel bags .....	17.09
	F. Lamson-Scribner .....	Labor .....	60.00
11	Emil F. Lange .....	Salary .....	50.00
14	Houghton & Delano .....	Kodak .....	20.70
17	David Griffiths .....	Traveling expenses .....	6.50
	C. L. Shear .....	Office expenses .....	2.70
	Elias Nelson .....	Traveling expenses .....	17.35
	do .....	Office expenses .....	1.40
	H. L. Bentley .....	do .....	33.75
	Wm. Shear .....	Traveling expenses .....	16.12
	C. L. Shear .....	do .....	78.18
23	Wm. Shear .....	Salary .....	75.00
	David Griffiths .....	do .....	150.00
	Jos. B. Davy .....	Grasses .....	34.00
25	Carl R. Ball .....	Traveling expenses .....	16.40
30	Emil F. Lange .....	do .....	8.00
31	E. D. Merrill et al .....	Salaries .....	351.22
Sept. 4	Louis W. Carter .....	Salary .....	55.00
	David Griffiths .....	do .....	150.00
	A. B. Leckenby .....	do .....	101.10
	H. L. Bentley .....	do .....	50.50
	William Shear .....	do .....	75.00
	Elias Nelson .....	do .....	100.00
5	Harry N. Leckenby .....	Seeds .....	106.85
	Rudolph, West & Co .....	Hose, etc. ....	17.75
	Houghton & Delano .....	Plates .....	8.74
7	Peter Henderson & Co .....	Grass seeds .....	13.55
	T. W. Wood & Sons .....	do .....	8.90
	Arthur W. Robson .....	Freight charges .....	8.82
13	Emil F. Lange .....	Salary .....	50.00
	A. B. Leckenby .....	Traveling expenses .....	32.50
15	Emil F. Lange .....	do .....	7.90
	F. Lamson-Scribner .....	Expenses .....	60.00
17	T. W. Wood & Sons .....	Grain .....	2.45
	J. J. H. Gregory .....	Beans .....	4.50
	Jas. B. Lambie .....	Scythe, etc. ....	1.55
	C. R. Ball .....	Expenses .....	8.50
19	H. L. Bentley .....	do .....	29.00
	Wm. Shear .....	Traveling expenses .....	18.75
21	New York Central and Hudson River R. R. Co. ....	Passenger transportation .....	2.23
	Boston and Maine R. R. Co. ....	do .....	2.56
22	Boston and Albany R. R. Co. ....	do .....	8.49
	Burlington and Missouri River R. R. in Nebraska. ....	do .....	76.60
	Wm. Shear .....	Services .....	15.00
	C. L. Shear .....	Traveling expenses .....	81.60
	do .....	do .....	32.50
24	F. Lamson-Scribner .....	do .....	125.79
29	E. D. Merrill et al .....	Salaries .....	361.60
	Total first quarter .....		3,326.08
Oct. 1	Mackall Bros .....	Potash, etc. ....	2.03
2	A. B. Leckenby .....	Expenses .....	132.35
	E. D. Merrill .....	Traveling expenses .....	150.07
5	Jas. K. Metcalfe .....	Seeds .....	32.50
	Chicago, Milwaukee and St. Paul Rwy. Co. ....	Passenger transportation .....	33.00
	Pennsylvania R. R. Co. ....	do .....	79.85
	The Atchison, Topeka and Santa Fe Rwy. Co. ....	do .....	6.60
	Union Pacific R. R. Co. ....	do .....	32.36
	Fremont, Elkhorn and Missouri Valley Rwy. Co. ....	do .....	7.15
	Southern Rwy. Co. ....	do .....	16.25
	The Colorado and Southern Rwy. Co. ....	do .....	7.65
	Blue Ridge R. R. Co. ....	do .....	4.51
	Lehigh Valley R. R. Co. ....	do .....	9.33
	Denver and Rio Grande R. R. Co. ....	do .....	50.90
	Atlantic Coast Line R. R. Co. ....	do .....	15.26
8	A. Lamson-Scribner .....	Traveling expenses .....	21.90
	do .....	Expenses .....	19.40
	F. Lamson-Scribner .....	do .....	60.00
9	Thos. A. Williams .....	Traveling expenses .....	29.60

Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## GRASS AND FORAGE PLANT INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 9	H. L. Bentley	Salary	\$49.00
	Louis W. Carter	do	55.00
12	David Griffiths	Traveling expenses	25.30
	R. S. Rising	Grass seed	8.80
	Sheetz & Bishop	Lens	38.00
15	T. W. Wood & Sons	Seeds	29.00
	do	do	9.60
18	A. B. Leckenberg	Expenses	64.75
	do	Salary	97.80
	do	Expenses	31.70
24	Chicago and Northwestern Rwy. Co	Passenger transportation	6.15
	Northern Pacific Rwy. Co	do	32.10
	Great Northern Rwy. Co	do	46.90
	Oregon Short Line R. R. Co	do	80.50
	Union Pacific R. R. Co	do	108.55
	The Wabash R. R. Co	do	8.45
26	H. Haupt, jr	Seeds	5.00
30	Houghton & Delano	Photo supplies	16.82
31	E. D. Merrill et al	Salaries	474.21
Nov. 1	do	Traveling expenses	23.10
	David Griffiths	Salary	99.50
	H. L. Bentley	do	50.50
	A. B. Leckenberg	do	101.10
	The Publishers and Printers Engraving Co.	Engraving	19.35
	T. W. Wood & Sons	Seeds	39.70
	do	do	26.60
	do	do	22.30
	J. M. Thorburn & Co	do	20.40
2	Peter Henderson & Co	do	4.00
	T. W. Wood & Sons	do	3.36
	F. P. May & Co	Scoop and measures	17.65
	The Chesapeake & Potomac Telephone Co.	Telephone rent	6.25
6	The Rio Grande Southern R. R. Co	Passenger transportation	33.80
	Burlington and Missouri River R. R. Co. in Nebraska.	do	31.30
	The Chesapeake and Ohio R. R. Co	do	19.50
12	B. C. Pittuck	Salary	8.15
	David Griffiths	Expenses	2.25
17	David Landreth & Sons	Seeds	5.10
19	Houghton & Delano	Photo supplies	5.72
	do	Films	4.20
20	Sheetz & Bishop	Photo supplies	12.75
21	Elias Nelson	Traveling expenses	31.00
	do	Expenses	27.00
	David Griffiths	do	32.60
	H. L. Bentley	do	7.00
23	Peter Henderson & Co	Seeds	28.50
	Houghton & Delano	Photo supplies	33.54
24	A. F. Jorss	Repairing holders	20.00
26	Thos. A. Williams	Traveling expenses	20.50
27	Z. D. Gilman	Photo paper	.60
	The Geo. W. Knox Express Co	Transportation	1.24
	United States Electric Lighting Co.	Ruby lamp	.40
30	E. D. Merrill et al	Salaries	521.54
Dec. 1	Louis W. Carter	Salary	55.00
	A. B. Leckenberg	do	97.80
	do	Traveling expenses	56.45
	do	do	52.65
	Louis W. Carter	Salary	55.00
	David Griffiths	do	49.00
	B. C. Pittuck	do	24.40
3	The Publishers and Printers Engraving Co.	Engravings	33.42
	Library Bureau	Cards	18.15
	R. & J. Farquhar & Co	Seeds	7.15
	T. W. Wood & Sons	do	30.50
	Sheetz & Bishop	Photo supplies	6.75
5	New York, New Haven and Hartford R. R. Co.	Passenger transportation	15.20
	Northern Pacific Rwy. Co	do	66.00
	Baltimore and Ohio R. R. Co	do	48.25
	The Wabash R. R. Co	do	4.35
	Mark W. Johnson Seed Co	Grass seed	11.15
	Union Pacific R. R. Co	Passenger transportation	9.45
	Chicago, Milwaukee and St. Paul Rwy. Co	do	36.50
6	W. M. Freeman	Seeds	5.00
11	Seabury & Johnson	Silk isinglass	7.50
14	Wm. P. Brooke	Millet	51.50
	Jas. R. Collins	Bags	11.75

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## GRASS AND FORAGE PLANT INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Dec. 15	Wood, Stubbs & Co.....	Seeds .....	\$32.15
	Jas. K. Metcalfe.....	do .....	186.00
17	Mackall Bros.....	Chemicals .....	17.66
	Rudolph, West & Co.....	Tin, etc .....	17.70
18	Library Bureau.....	Index case and cards .....	45.00
19	Elmer D. Merrill.....	Traveling expenses .....	15.25
29	Church & Stephenson.....	Lumber .....	34.48
	H. L. Bentley.....	Expenses .....	16.50
	Louis W. Carter.....	do .....	50.00
31	E. D. Merrill et al.....	Salaries .....	554.85
	Total second quarter .....		4,881.35
1901.			
Jan. 2	H. L. Bentley .....	Salary .....	99.50
	B. C. Pittuck.....	do .....	25.30
3	T. W. Wood & Sons.....	Grass seeds .....	45.00
	Bausch & Lomb Optical Co.....	Triplets .....	4.62
	The C. A. Smurthwaite Produce Co.....	Seeds .....	316.38
5	David Griffiths.....	Salary .....	50.50
7	Mackall Bros.....	Potash .....	.90
	Church & Stephenson.....	Lumber .....	39.50
14	Houghton & Delano.....	Plates, etc .....	3.37
	E. Morrison Paper Co.....	Paper .....	24.84
	Rudolph, West & Co.....	Label holders .....	3.11
16	A. B. Leckenby.....	Salary .....	101.10
	Jas. Withycombe.....	do .....	2.77
	T. C. Ford.....	Grass seed .....	22.50
	H. Haupt, jr.....	do .....	3.00
	The Geo. W. Knox Express Co.....	Transportation .....	2.03
19	O. C. Kippenbrock.....	Photos .....	1.00
21	Peter Henderson & Co.....	Seeds .....	50.50
22	The Geo. W. Knox Express Co.....	Transportation .....	4.18
24	T. W. Wood & Sons.....	Seeds .....	54.00
26	Blue Line Transfer Co.....	Transportation .....	4.72
	Chas. S. Brent & Bro.....	Grass seeds .....	11.00
30	Texas Seed and Floral Co.....	do .....	3.55
31	E. N. Wilcox et al.....	Salaries .....	437.89
Feb. 2	D. Landreth & Sons.....	Seeds .....	52.72
	Louis Hartig.....	Catches .....	.40
	David Griffiths.....	Salary .....	51.70
6	Pennsylvania R. R. Co.....	Passenger transportation .....	30.00
11	T. W. Wood & Sons.....	Seeds .....	29.68
	Whitall, Tatum & Co.....	Vials, etc .....	5.45
	Thos. W. Smith.....	Lumber .....	.96
	Brentano's.....	Notebooks .....	4.14
12	The Chesapeake and Potomac Telephone Co.....	Telephone rent .....	6.25
13	Peter Henderson & Co.....	Seeds .....	31.00
14	Richd. L. Lamb.....	Stencil .....	1.25
	Fredk. Springman.....	Transportation .....	.56
19	L. Cameron.....	Seeds .....	2.00
	J. M. Thorburn & Co.....	do .....	19.90
	Seabury & Johnson.....	Silk isinglass .....	7.50
21	T. W. Wood & Sons.....	Seeds .....	33.00
23	Houghton & Delano.....	Photo supplies .....	2.04
	B. C. Pittuck.....	Salary .....	25.80
	H. L. Bentley.....	do .....	51.70
26	Texas Seed and Floral Co.....	Seeds .....	40.90
	Hugh Reilly.....	Glass .....	2.40
	Richard L. Lamb.....	Ink .....	1.50
	Rudolph, West & Co.....	Turns and screws .....	.52
27	Chicago, Rock Island and Pacific Rwy. Co.....	Passenger transportation .....	16.25
	Adams Express Co.....	Transportation .....	6.02
28	H. Nungesser & Co.....	Seeds .....	28.43
	J. M. Thorburn & Co.....	do .....	3.60
	H. Nungesser & Co.....	do .....	36.75
	E. N. Wilcox et al.....	Salaries .....	416.07
Mar. 1	Houghton & Delano.....	Film .....	5.40
	David Griffiths.....	Salary .....	46.60
5	Jas. B. Lambie.....	Hinges .....	1.28
	Henry Nungesser & Co.....	Seeds .....	6.50
	J. M. Thorburn & Co.....	do .....	30.00
9	A. B. Leckenby.....	Traveling expenses .....	75.90
	do.....	Expenses .....	24.50
12	H. Nungesser & Co.....	Seeds .....	46.40
13	E. J. Pullman.....	Photo mounts .....	11.61
	The Geo. W. Knox Express Co.....	Transportation .....	2.82
15	J. Manz Engraving Co.....	Engraving .....	24.00
16	Carlton R. Ball.....	Traveling expenses .....	72.55
	T. W. Wood & Sons.....	Seeds .....	43.50



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## GRASS AND FORAGE PLANT INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Mar. 16	T. W. Wood & Sons .....	Seeds .....	\$7.95
	B. C. Pittuck .....	Salary .....	23.40
18	Jas. R. Collins .....	Seed bags .....	68.30
	Peter Henderson & Co. ....	Seed .....	54.45
	do .....	do .....	17.50
	H. Nungesser & Co. ....	do .....	24.50
	Hatch Experiment Station ..	do .....	4.50
	J. C. McCollough .....	do .....	20.30
	Bausch & Lomb Optical Co. ..	Remounting lens .....	6.00
	J. M. Thorburn & Co. ....	Seeds .....	4.50
	Library Bureau .....	Cards .....	19.00
	J. R. Towne .....	Seeds .....	2.50
21	J. Manz Engraving Co. ....	Engraving .....	43.00
23	T. W. Wood & Sons .....	Seeds .....	9.25
	J. M. Thorburn & Co. ....	do .....	32.00
	Henry Nungesser & Co. ....	do .....	41.30
	J. J. H. Gregory & Son .....	do .....	19.49
	Chas. S. Brent & Bro .....	do .....	17.60
29	T. W. Wood & Sons .....	Teosinte .....	36.00
30	E. N. Wilcox et al .....	Salaries .....	510.75
	Total third quarter .....		3,573.05
Apr. 1	Jno. C. Parker .....	Manila paper .....	2.25
	H. L. Bentley .....	Salary .....	51.70
	Louis W. Carter .....	do .....	60.00
	B. C. Pittuck .....	do .....	25.80
	C. L. Shear .....	do .....	135.00
	The Western Rwy. of Alabama ..	Passenger transportation ..	11.25
	Southern Pacific Co. ....	do .....	6.55
2	David Griffiths .....	Salary .....	51.70
3	J. M. Thorburn & Co. ....	Seeds .....	12.00
	do .....	do .....	24.00
	do .....	do .....	5.75
4	E. J. Pullman .....	Photo mounts .....	4.86
12	Peter Henderson & Co. ....	Seeds .....	40.00
	do .....	do .....	36.00
	J. M. Thorburn & Co. ....	do .....	32.00
	T. W. Wood & Sons .....	do .....	60.00
	H. L. Bentley .....	Salary .....	46.60
16	Jas. Withycombe .....	do .....	15.00
	Fred. A. Schmidt .....	Blue-print paper .....	1.60
	F. H. Edmonds .....	Field glasses .....	63.00
	Herman Baugarten .....	Rubber type holder .....	.65
	Mackall Bros .....	Corks and alcohol .....	1.55
17	Northrup, King & Co .....	Beans .....	17.50
19	J. M. Thorburn & Co. ....	Seeds .....	26.50
20	Houghton & Delano .....	Photo supplies .....	13.54
	T. W. Wood & Sons .....	Seeds .....	15.00
	Blue Line Transfer Co. ....	Transportation .....	4.13
22	Jas. K. Metcalfe .....	Seeds .....	66.25
	The Texas and Pacific Rwy. Co.	Passenger transportation ..	3.75
	Southern Rwy. Co. ....	do .....	27.50
	Sheetz & Bishop .....	Photographic supplies .....	27.75
	C. L. Shear .....	Traveling expenses .....	59.20
	H. L. Bentley .....	Seeds .....	67.50
23	Jno. A. Salzer Seed Co. ....	do .....	.37
24	W. J. Spillman .....	Salary .....	150.00
	Henry A. Dreer, Inc. ....	Seeds .....	25.20
25	A. B. Leckenby .....	Roots .....	30.00
26	C. L. Shear .....	Traveling expenses .....	62.50
27	Adams Express Co. ....	Transportation .....	9.70
29	J. T. Willard .....	Grass roots .....	2.00
May 1	S. Ebbert .....	Seeds, etc .....	47.38
	P. Mann & Co. ....	Bone meal .....	13.00
	E. J. Pullman .....	Photograph mounts .....	1.20
3	The Chesapeake and Potomac Telephone Co.	Telephone rent .....	6.25
8	Western Union Telegraph Co. ....	Telegraph services .....	1.12
	do .....	do .....	4.80
16	Jas. B. Lambie .....	Hinges .....	1.28
24	United States Envelope Co. ....	Envelopes .....	14.70
27	Yazoo and Mississippi Valley R. R. Co.	Passenger transportation ..	5.40
	Mobile and Ohio R. R. Co. ....	do .....	14.13
	International and Great Northern R. R. Co.	do .....	8.65
	The Texas and Pacific Rwy. Co.	do .....	13.60
	Chicago, Rock Island and Pacific Rwy. Co.	do .....	4.21
	Grand Trunk Rwy. System .....	do .....	22.00
28	Western Union Telegraph Co. ....	Telephone services .....	1.61
	do .....	do .....	3.94

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## GRASS AND FORAGE PLANT INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
May 28	The J. C. Ergood Co .....	Salt .....	\$0.15
June 1	Chas. W. Burkett .....	Salary .....	100.00
	B. C. Pittuck .....	do .....	25.60
	Lewis W. Carter .....	do .....	60.00
	H. L. Bentley .....	do .....	51.00
4	Baltimore and Ohio R. R. Co .....	Transportation .....	31.55
5	J. T. Willard .....	Traveling expenses .....	21.96
	W. J. Spillman .....	Services .....	150.00
21	Western Union Telegraph Co .....	do .....	1.12
25	Jas. K. Metcalfe .....	Seed .....	32.00
	Total fourth quarter .....		1,932.30
	<i>Supplemental.</i>		
July 1	B. C. Buffum .....	Salary .....	75.00
	C. W. Burkett .....	do .....	100.00
	H. L. Bentley .....	do .....	49.50
	B. C. Pittuck .....	do .....	24.70
	Louis W. Carter .....	do .....	60.00
	W. J. Spillman .....	do .....	150.00
	David Griffith .....	do .....	89.01
5	Adams Express Co .....	Transportation .....	2.57
11	Luther Foster .....	Salary .....	40.00
13	The Geo. W. Knox Express Co .....	Transportation .....	5.95
19	E. W. Hilgard .....	Traveling expenses .....	18.25
	United States Express Co .....	Transportation .....	.70
Aug. 6	F. H. Hillman .....	Manuscript on clover .....	252.50
9	Jos. B. Davy .....	Traveling expenses .....	37.85
21	The Chesapeake and Potomac Telephone Co.	Services .....	6.25
Sept. 10	Jos. B. Davy .....	Traveling expenses .....	33.70
21	A. B. Leckenby .....	Salary .....	150.00
Oct. 5	Chicago, Rock Island and Pacific Rwy. Co.	Passenger transportation .....	16.45
	Total .....		1,201.42

## RECAPITULATION.

First quarter .....	\$3,326.08
Second quarter .....	4,881.35
Third quarter .....	3,573.05
Fourth quarter .....	1,932.30
Supplemental .....	1,201.42
Total .....	14,914.20

## IRRIGATION INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1900.			
July 21	Katherine A. Nau et al .....	Salaries .....	\$227.85
Aug. 1	Elwood Mead et al .....	do .....	1,137.92
	Black & Clark .....	Short-gauge rods .....	11.60
6	E. T. Johnston .....	Salary .....	52.00
11	O. V. P. Stout .....	do .....	62.50
16	Clarence T. Johnston .....	Traveling expenses .....	20.65
	Elwood Mead .....	do .....	18.05
	R. P. Teele .....	do .....	13.25
20	A. G. Spalding & Bro .....	Wading pants .....	24.00
23	E. S. Nettleton .....	Traveling expenses .....	23.25
	J. C. Nagle .....	do .....	18.45
	do .....	Salary .....	110.00
	Elwood Mead .....	Traveling expenses .....	87.70
	do .....	Expenses .....	6.75
	do .....	Office expenses .....	20.85
	do .....	Photograph mounts, maps .....	11.50
25	W. B. Moses & Sons .....	Desk and chairs .....	59.00
29	O. V. P. Stout .....	Traveling expenses .....	36.21
	A. McAdam .....	Carpenter work, etc .....	12.75
	D. Frank Parker .....	Typewriter paper .....	4.08
	Jno. C. Parker .....	Cases and index .....	9.30
31	Katherine A. Nau et al .....	Salaries .....	247.20
Sept. 4	W. M. Reed .....	Traveling expenses .....	20.00
5	Elwood Mead et al .....	Pay roll .....	1,227.12
	Clarence T. Johnston .....	Traveling expenses .....	87.70

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## IRRIGATION INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Sept. 5	E. L. Bristol.....	Typewriter paper.....	\$10.00
	W. M. Reed.....	Salary.....	50.00
13	O. V. P. Stout.....	do.....	62.50
	E. T. Johnston.....	do.....	48.00
15	Frank Adams.....	do.....	200.00
17	Jay D. Stannard.....	Traveling expenses.....	104.55
18	Arthur P. Stover.....	do.....	69.40
	Wm. E. Smythe.....	Report.....	225.00
19	Elwood Mead.....	Expenses.....	8.60
	do.....	Traveling expenses.....	91.75
29	Katherine A. Nau et al.....	Salaries.....	298.86
	Total first quarter.....		4,718.29
Oct. 1	H. J. Waters.....	Salary.....	135.00
	J. C. Nagle.....	do.....	135.00
	do.....	Traveling expenses.....	28.60
	do.....	Expenses.....	14.40
	W. H. Code.....	Salary.....	50.00
2	Jay D. Stannard.....	Traveling expenses.....	40.00
	D. W. Ross.....	Expenses.....	33.00
	O. V. P. Stout.....	Traveling expenses.....	31.39
3	Elwood Mead.....	Expenses.....	18.67
	Elwood Mead et al.....	Salaries.....	1,212.03
	Hiram Sapp.....	Office rent.....	135.00
4	Rumsey & Co. Limited.....	Pump.....	35.00
5	Edwin S. Nettleton.....	Traveling expenses.....	24.75
12	Arthur P. Stover.....	do.....	76.75
	H. J. Waters.....	Salary.....	125.00
16	J. H. Arp.....	Wrapping paper.....	6.66
18	Frank Adams.....	Salary.....	100.00
19	The A. Leitz Co.....	Water register.....	60.00
20	S. P. Johnson.....	Typewriter, etc.....	98.75
	Jno. C. Parker.....	Sponge cups.....	5.16
26	Elwood Mead.....	Expenses.....	11.55
	A. P. Stover.....	Traveling expenses.....	73.52
	O. V. P. Stout.....	Salary.....	32.50
	do.....	Traveling expenses.....	14.85
30	E. Morrison Paper Co.....	Rubber bands.....	5.51
31	Katherine A. Nau et al.....	Salaries.....	327.60
Nov. 2	D. W. Ross.....	Expenses.....	23.00
	do.....	do.....	23.00
	United States Envelope Co.....	Envelopes.....	12.64
3	W. M. Reed.....	Salary.....	30.00
5	Elwood Mead et al.....	Salaries.....	1,297.30
7	J. C. Nagle.....	Salary.....	65.00
9	J. D. Stannard.....	Traveling expenses.....	36.40
	do.....	do.....	48.80
14	Elwood Mead.....	Expenses.....	28.06
	do.....	do.....	9.94
	do.....	do.....	8.40
	J. M. Wilson.....	Traveling expenses.....	13.75
	do.....	Expenses.....	37.50
20	Fred A. Schmidt.....	Pencils, etc.....	7.28
21	W. H. Code.....	Salary.....	75.00
	W. M. Reed.....	do.....	50.00
	W. H. Code.....	Traveling expenses.....	75.00
	W. M. Reed.....	do.....	40.00
	do.....	Expenses.....	25.50
	Elwood Mead.....	Traveling expenses.....	20.90
	do.....	do.....	265.44
	A. F. Doremus.....	Salary.....	52.50
	H. J. Waters.....	do.....	135.00
	R. C. Gemmell.....	Expenses.....	53.20
	do.....	Traveling expenses.....	18.50
	Edw. M. Boggs.....	Making report.....	135.00
	Jas. H. Schuyler.....	do.....	750.00
22	Frank Adams.....	Expenses.....	5.25
	J. C. Nagle.....	do.....	19.75
	do.....	do.....	11.25
	Elwood Mead.....	do.....	18.65
	Samuel Fortier.....	Salary, July.....	120.00
	do.....	Salary, August.....	115.00
	do.....	Salary, September.....	115.00
	do.....	Salary, October.....	125.00
23	A. D. Farmer & Son Type Foundry Co.....	Type.....	19.82
30	Katharine A. Nau et al.....	Salaries.....	344.80
Dec. 6	Elwood Mead et al.....	do.....	1,303.77
	W. H. Code.....	Salary.....	50.00
	H. J. Waters.....	do.....	105.00



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## IRRIGATION INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Dec. 8	Geo. L. Swendsen	Report on water in Utah	\$200.00
14	Frank Adams	Traveling expenses	14.20
	E. S. Nettleton	do	5.50
	W. M. Reed	do	2.00
	Elwood Mead	Expenses	22.50
	do	Traveling expenses	71.80
	C. T. Johnston	do	61.75
	B. H. Sage	Making stand	16.00
	C. E. Grunsky	Report on Kings River Valley	375.00
	Jas. D. Schuyler	Report	50.00
17	F. A. Schmidt	Drawing materials	12.20
	Rudolph, West & Co	Shears	2.32
19	Elwood Mead	Expenses	18.36
21	D. W. Ross	Salary	300.00
29	F. E. Warren Mercantile Co.	Matting	13.00
	do	Desks and chairs	54.00
	S. P. Johnson	Typewriter	57.50
	O. V. P. Stout	Traveling expenses	17.34
	Frank Adams	do	31.15
31	Katharine A. Nau et al	Salaries	448.40
	Total second quarter		10,289.11
1901.			
Jan. 2	Santa Fe, Prescott and Phoenix Ry. Co.	Passenger transportation	11.80
	Union Pacific R. R. Co.	do	36.00
3	W. M. Reed	Salary	120.00
	Elwood Mead et al	Salaries	1,445.55
	Marshall, Westcoat & Co.	Nails	7.35
	Wm. M. Bird & Co.	Oil	17.00
4	W. M. Reed	Expenses	40.80
5	A. McAdam	Shelving	14.50
	J. M. Wilson	Traveling expenses	60.80
7	R. Carter Ballantyne	Manila paper	3.35
15	F. H. King	Salary	200.00
18	D. Frank Parker	Typewriter ribbon	12.60
	Jno. C. Parker	Typewriter desk	23.75
23	O. L. Waller	Services	25.00
	Hiram Sapp	Rent rooms	135.00
24	do	do	24.50
	W. H. Code	Report	115.00
25	J. M. Wilson	Traveling expenses	25.15
	do	Expenses	58.55
	V. A. Clark	Traveling expenses	22.25
28	R. C. Gemmel	Salary	200.00
	J. C. Nagle	Expenses	7.50
	Elwood Mead	do	10.89
	do	do	9.75
29	W. B. Moses & Sons	Chair	5.00
30	Black & Clark	Constructing station	50.00
	Julien P. Freiz	Water register	125.00
31	W. H. Beal et al	Salaries	836.37
Feb. 1	W. H. Code	Expenses	110.00
2	Jno. C. Parker	Rulers, etc.	27.22
5	F. H. King	Salary	100.00
	R. C. Gemmel	Expenses	68.30
	Elwood Mead et al	Salaries	1,526.90
	Elwood Mead	Expenses	.65
6	do	Traveling expenses	135.90
	C. T. Johnston	do	74.30
7	W. H. Code	Salary	75.00
8	Chas. U. Shepard	Expenses	18.40
	C. T. Johnston	do	11.61
	do	do	20.00
	do	do	8.70
12	O. L. Waller	Traveling expenses	25.70
	The Norris Peters Co.	Maps	150.00
13	The Maurice Joyce Engraving Co	Engraving	19.79
14	R. Carter Ballantyne	Pens	3.34
20	C. T. Johnston	Traveling expenses	77.55
	Chas. U. Shepard	Expenses	35.70
21	The Bailey-Libby Co.	Tank	46.94
	do	Pipe, etc.	43.98
	do	Rope, etc.	22.76
23	Elwood Mead	Traveling expenses	36.00
26	The Hocking Valley Manufacturing Co	Repairs, etc.	14.74
	Jno. C. Parker	Typewriter paper	8.00
27	Geo. F. Muth & Co	Ink	3.50
	Adams Express Co.	Transportation	9.10
28	W. H. Beal et al	Salaries	771.34

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## IRRIGATION INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Mar. 2	Fred A. Schmidt	Drawing materials	\$10.80
9	Elwood Mead et al	Salaries	1,386.20
11	Jno. F. Riley	Windlass	40.00
	F. H. King	Salary	100.00
	Southeastern Lime and Cement Co.	Cement	46.00
	Jno. A. Widtsoe	Traveling expenses	47.25
	C. T. Johnston	Expenses	9.85
	do	do	5.00
	R. Q. Tenney	Article for publication	15.00
13	Fred A. Schmidt	Pencils	6.00
18	The Arp & Hammond Hardware Co.	Hardware	14.00
	The S. A. Bristol Co.	Bulletin paper	18.60
	E. J. Wikson	Article for publication	282.00
20	Southeastern Lime and Cement Co.	Cement	23.00
	O. C. Sires & Bro	Cement, etc	90.00
	W. H. Code	Salary	50.00
	O. V. P. Stout	Expenses	23.40
	J. C. Nagle	Salary	50.00
	do	Traveling expenses	7.70
	do	Expenses	13.15
	E. S. Nettleton	Traveling expenses	13.95
21	C. T. Johnston	Expenses	7.96
	The Denver Novelty Works and Electric Co.	Electric supplies	7.70
	O. L. Waller	Services	125.00
22	Frank Bond	Traveling expenses	140.30
25	E. S. Nettleton	do	7.00
30	W. H. Beal et al	Salaries	759.10
	Total third quarter		10,387.84
Apr. 1	The Chesapeake and Ohio Ry. Co.	Passenger transportation	44.00
	Union Pacific R. R. Co.	do	18.00
2	Hiram Sapp	Rent of rooms	45.00
	do	do	135.00
	Chas. U. Shepard	Expenses	49.20
	Elwood Mead et al	Salaries	1,526.90
	H. G. Hay	Safe	50.00
	A. A. Wagner	Rain gauge	17.40
6	Jno. C. Parker	Bristol board	14.40
8	C. T. Johnston	Expenses	28.50
	do	do	23.78
12	F. H. King	Salary	100.00
16	J. Manz Engraving Co.	Engraving	20.00
	C. W. Beach	Report	100.00
	A. S. Aloe Co.	Track and car for blue print frame.	18.36
	J. C. Nagle	Traveling expenses	7.85
	Elwood Mead	do	61.85
	O. L. Waller	Expenses	14.50
	O. V. P. Stout	do	6.61
	Fred A. Schmidt	Pencils and paints	2.50
	Rudolph West & Co.	Steel tapes	19.50
	J. C. Nagle	Expenses	12.75
17	J. M. Wilson	Traveling expenses	39.85
18	do	do	13.35
	C. T. Johnston	do	92.35
22	Baltimore and Ohio R. R. Co.	Passenger transportation	14.00
23	The App. Engraving Co.	Making plates	32.00
24	Saml. Fortier	Salary	75.00
	do	do	75.00
	W. H. Code	Traveling expenses	39.00
	Geo. L. Swendsen	Preparing report	100.00
25	O. V. P. Stout	Traveling expenses	6.50
30	C. E. Johnston et al	Salaries	684.20
May 1	Modern Machine and Model Works	Water registers	150.00
	J. E. Turton	Supports for rain gauges	6.84
2	Elwood Mead et al	Salaries	1,435.48
	W. H. Code	Salary	25.00
3	E. F. Ladd	Traveling expenses	40.76
	J. H. Arp	Repairs to register, etc	15.50
	W. Irving	Report	100.00
	Julien P. Freiz	Pens for water register	7.50
6	J. M. Wilson	Expenses	12.50
	do	Traveling expenses	22.90
	Modern Machine and Model Works	Water register	30.00
	Julien P. Freiz	Copper band, etc	40.75
8	Western Union Telegraph Co.	Services	4.65
13	Wagner Bros. & Co.	Register sheets	2.25

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## IRRIGATION INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
May 24	Chas. U. Shepard	Expenses	\$9.90
	J. C. Nagle	do	10.25
	do	Salary	30.00
	Clarence T. Johnston	Expenses	22.61
	do	do	40.46
	F. H. King	Salary	100.00
	Black & Clark	Making table, etc.	7.00
	A. Lietz Co	Water registers.	201.70
	W. H. Code	Salary	25.00
	Jay D. Stannard	Traveling expenses	39.25
	W. M. Reed	Salary	30.00
	Elwood Mead	Traveling expenses	33.85
	United States Envelope Co.	Envelopes	9.34
	Library Bureau	Cards	4.50
31	W. H. Beal et al.	Salaries	728.00
June 3	Elwood Mead et al.	do	1,281.40
	F. H. King	Salary	100.00
	The Steiner Cardwell Art Co.	Paper	4.25
	J. M. Wilson	Traveling expenses	33.35
5	C. T. Johnston	do	133.15
6	A. E. Chandler	Salary	95.00
11	W. M. Reed	Expenses	17.75
	do	Traveling expenses	6.50
	J. M. Wilson	Expenses	34.40
	C. T. Johnston	do	35.33
	do	do	10.99
	do	do	5.20
	A. Hoen & Co.	Lithographic plates	810.00
14	C. T. Johnston	Traveling expenses	104.15
	Frank Adams	do	15.25
	H. C. Bradley	do	66.55
	O. V. P. Stout	Salary	30.00
	do	Expenses	4.45
	J. C. Nagle	Traveling expenses	12.15
	do	Expenses	21.25
21	W. M. Reed	Traveling expenses	12.40
	do	Expenses	26.48
	Siegel, Cooper & Co	Bells	5.70
	A. S. Carter	Batteries	6.00
	W. & L. E. Gurley	Insulators	2.40
	Western Union Telegraph Co	Service	11.95
	J. C. Nagle	Salary	35.00
24	O. V. P. Stout	Traveling expenses	19.50
	Arthur P. Stover	do	192.30
25	Elwood Mead	do	10.40
	Denver and Rio Grande R. R. Co.	Passenger transportation	18.00
29	W. H. Beal et al.	Salary	738.60
	Total fourth quarter		10,573.19
	<i>Supplemental.</i>		
July 5	Hiram Sapp	Office rent	45.00
	do	do	135.00
	Saml. Fortier	Salary	290.00
	W. H. Code	do	35.00
	Elwood Mead et al.	Salaries	1,424.20
	Adams Express Co.	Transportation	2.32
	do	do	3.07
9	Union Pacific R. R. Co	do	4.30
12	J. D. Stannard	Traveling expenses	116.10
	Frank Adams	do	22.20
13	W. M. Reed	Salary	70.00
17	J. C. Nagle	do	135.00
	Jos. Mack	do	45.00
	E. G. Johnston	do	52.00
	do	do	54.00
	do	do	50.00
	Geo. H. Keeney	do	130.00
	do	do	95.00
19	United States Express Co	Transportation	2.50
20	O. V. P. Stout	Salary	125.00
	do	do	45.00
	F. H. King	do	100.00
	A. E. Chandler	do	125.00
23	C. T. Johnston	Expenses	6.55
	D. W. Ross	do	29.50
24	W. M. Reed	do	35.45
	Frank Bond	Traveling expenses	79.40



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## IRRIGATION INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
July 24	C. T. Johnston	Expenses	\$38.69
	A. E. Chandler	do	61.46
	J. C. Nagle	do	20.50
	W. M. Reed	Salary	130.00
	do	do	170.00
26	O. V. P. Stout	Expenses	26.50
	A. E. Chandler	do	117.00
27	J. M. Wilson	Traveling expenses	42.16
	do	do	52.30
	D. W. Ross	Expenses	45.00
	do	do	24.00
	do	Salary	200.00
29	W. H. Code	Traveling expenses	61.00
	Jay. D. Stannard	do	23.00
	J. C. Nagle	do	15.55
	J. M. Wilson	Expenses	16.00
	W. H. Code	Salary	35.00
	M. A. Seed Dry Plate Co.	Plates	14.32
	The Denver Fire Clay Co.	Plate holder	4.80
	W. H. Code	Salary	130.00
30	Arthur P. Stover	Traveling expenses	131.95
	The Modern Machine Works Co.	Pens for water register	10.00
	Jno. C. Parker	Typewriter desk	23.50
Aug. 1	Fred A. Schmidt	Section liner, etc.	22.18
	R. L. Lamb	Numbering machine	11.20
	Harry C. Bradley	Services	13.74
2	C. T. Johnston	Expenses	35.25
	McIntosh Stereopticon Co.	Stereopticon	44.80
	do	Condenser, etc.	4.40
	Denver Fire Clay Co.	Materials for slides	9.05
	G. Cramer Dry Plate Co.	Slides	12.37
	Texas and New Orleans R. R. Co.	Passenger transportation	11.70
	The Colorado and Southern Rwy. Co.	do	57.30
3	E. S. Nettleton (deceased)	Traveling expenses	103.60
	The Modern Machine and Model Works.	Water registers	150.00
	O. L. Waller	Salary	20.00
9	Geo. H. Keeney	Traveling expenses	122.62
	E. B. Voorhees	do	2.50
	W. M. Reed	do	1.90
	H. C. Bradley	do	23.06
	O. L. Waller	do	75.45
12	Jno. C. Parker	Pasteboard tubes	12.00
16	R. P. Teele	Traveling expenses	18.25
	O. V. P. Stout	do	20.50
	C. T. Johnston	do	74.95
	O. L. Waller	Salary	30.00
17	Houghton & Delano	Camera, etc.	56.35
20	Samuel Fortier	Services	205.00
21	Wagner Bros. & Co.	Register sheets	2.25
22	Samuel Fortier	Traveling expenses	65.15
	E. B. Voorhees	Expenses	97.50
	O. L. Waller	do	1.05
	do	do	23.45
	McIntosh Stereopticon Co.	Slide boxes	6.00
28	Frank Bond	Traveling expenses	4.94
	The Denver Fire Clay Co.	Chemicals	10.05
29	P. N. Ashley	Services	148.75
Sept. 4	W. & L. E. Gurley	Meters	140.00
	do	do	140.00
5	Elwood Mead	Traveling expenses	6.19
Oct. 2	W. & L. E. Gurley	Apparatus	115.00
5	Union Pacific R. R. Co.	Passenger transportation	44.75
10	Library Bureau	Cases	22.00
12	Postal Telegraph Cable Co.	Service	168.00
	Total		6,614.25

## RECAPITULATION.

First quarter	\$4,718.49
Second quarter	10,289.11
Third quarter	10,387.84
Fourth quarter	10,573.19
Supplemental	6,614.25
Total	42,582.88

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## EXPERIMENT STATIONS.

Date.	Name.	Nature of payment.	Total.
1900.			
July 31	A. C. True et al.....	Salaries.....	\$2,393.75
Aug. 1	Sam'l. H. Moore.....	Portfolio.....	5.75
10	Houghton & Delano.....	Seed plates.....	4.09
13	W. H. Evans.....	Traveling expenses.....	48.12
29	M. Du Perow.....	Fan.....	12.90
	D. Frank Parker.....	Typewriter ribbons.....	3.75
31	A. C. True et al.....	Salaries.....	2,374.40
Sept. 5	Wyckoff, Seamans & Benedict.....	Repairing typewriter.....	13.10
10	A. C. True.....	Traveling expenses.....	101.18
19	E. L. Henry.....	Preparing index.....	200.00
20	A. C. True.....	Traveling expenses.....	39.03
	do.....	do.....	23.23
21	New York Central and Hudson River R. R. Co.....	Passenger transportation.....	18.50
	Maine Central R. R. Co.....	do.....	11.00
22	E. W. Allen.....	Traveling expenses.....	108.60
29	A. C. True et al.....	Salaries.....	2,313.39
	Total first quarter.....		7,670.79
Oct. 5	Pennsylvania R. R. Co.....	Passenger transportation.....	8.11
	New York Central and Hudson River R. R. Co.....	do.....	4.00
10	D. Frank Parker.....	Mimeograph paper, etc.....	6.30
12	A. C. True.....	Traveling expenses.....	66.05
20	Jno. C. Parker.....	Binding cases, etc.....	12.75
24	The Delaware and Hudson Co.....	Passenger transportation.....	4.05
	Boston and Albany R. R. Co.....	do.....	2.34
	Pennsylvania R. R. Co.....	do.....	6.58
	The Lake Shore and Michigan Southern Rwy. Co.....	do.....	5.00
	Pennsylvania Co.....	do.....	8.50
31	A. C. True et al.....	Salaries.....	2,469.40
Nov. 2	The Chesapeake and Potomac Telephone Co.....	Telephone rent.....	6.25
8	A. C. True.....	Traveling expenses.....	80.14
17	Library Bureau.....	Cards.....	20.00
21	A. C. True.....	Traveling expenses.....	36.95
23	S. N. Meyer.....	Labels.....	7.75
24	Pennsylvania R. R. Co.....	Passenger transportation.....	17.00
30	A. C. True et al.....	Salaries.....	2,487.80
Dec. 3	Wyckoff, Seamans & Benedict.....	Repairs to typewriter.....	27.45
	Peter Fireman.....	Translating.....	83.75
	E. Morrison Paper Co.....	Linen paper.....	18.00
5	Great Northern Rwy. Co.....	Passenger transportation.....	6.98
	W. B. Moses & Sons.....	Desks, etc.....	34.84
	Northern Pacific Rwy. Co.....	Passenger transportation.....	49.45
	New York Central and Hudson River R. R. Co.....	do.....	3.66
	Pennsylvania Co.....	do.....	7.00
	Chicago, Milwaukee and St. Paul Rwy. Co.....	do.....	3.92
	Chicago and Northwestern Rwy. Co.....	do.....	8.10
	Burlington and Missouri River R. R. in Nebraska.....	do.....	3.30
11	S. P. Johnson.....	Repairing typewriter.....	8.15
14	E. L. Henry.....	General index.....	300.00
19	E. W. Allen.....	Traveling expenses.....	41.76
20	Baltimore and Ohio R. R. Co.....	Passenger transportation.....	12.32
31	A. C. True et al.....	Salary.....	2,596.53
	Total second quarter.....		8,454.18
1901.			
Jan. 2	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.....	Passenger transportation.....	18.05
	Chicago and Northwestern Rwy. Co.....	do.....	9.80
	Union Pacific R. R. Co.....	do.....	18.75
	Illinois Central R. R. Co.....	do.....	3.83
	Lehigh Valley R. R. Co.....	do.....	3.30
	Pennsylvania R. R. Co.....	do.....	10.00
3	Reading Paper Mills.....	Paper.....	18.00
7	United States Express Co.....	Transportation.....	2.56
14	Mackall Bros.....	Alcohol.....	.65
16	The Geo. W. Knox Express Co.....	Transportation.....	.70
18	Jno. C. Parker.....	Stationery supplies.....	7.28
19	Adams Bros.....	Elbows.....	5.00
	Peter Fireman.....	Translating.....	35.00
	Chas. F. Roberts.....	Reporting proceedings of convention.....	78.60
	Yawman & Erbe Manufacturing Co.....	Cabinet.....	11.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## EXPERIMENT STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Jan. 21	United States Envelope Co.	Envelopes	\$22.03
	Library Bureau	Index cards	3.25
22	W. B. Moses & Sons	Carpet sweeper and table	8.25
26	Wyckoff, Seamans & Benedict	Repairs to typewriter	2.30
28	Geo. A. Harlow	Traveling expenses	1.85
31	A. C. True et al	Salaries	2,503.61
Feb. 1	United States Envelope Co.	Envelopes	46.70
6	The Oregon R. R. and Navigation Co.	Passenger transportation	55.85
	Burlington, Cedar Rapids and Northern Rwy. Co.	do	7.03
	The Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	1.90
	The Wabash R. R. Co.	do	2.39
	New York, New Haven and Hartford R. R. Co.	do	3.00
	Baltimore and Ohio R. R. Co.	do	2.88
11	M. Du Perow	Electric supplies	16.00
12	Peter Fireman	Translating	20.00
	W. B. Moses & Sons	Desk	24.50
	The Chesapeake and Potomac Telephone Co.	Telephone rent	6.25
18	S. P. Johnson	Typewriter cover	2.25
21	D. Frank Parker	Mimeograph paper	3.50
	Jno. C. Parker	Knives for pencil pointer	.65
23	Library Bureau	Index cards	4.25
26	The Hammond Typewriter Co.	Impression stripes	.30
	Rudolph, West & Co.	Thumb bolts	.45
27	Adams Express Co.	Transportation	.65
28	A. C. True et al	Salaries	2,230.40
Mar. 5	W. B. Moses & Sons	Chair	5.00
5	F. W. Woll	Translating	85.00
12	E. L. Henry	Repairing index	300.00
14	R. Carter Ballantyne	Calendar	.55
20	H. L. Russell	Article for publication	25.00
23	United States Envelope Co.	Envelopes	18.48
30	A. E. True et al	Salaries	2,464.80
	Total third quarter		8,091.57
Apr. 3	A. C. True	Traveling expenses	49.90
	Library Bureau	Boxes and cards	8.90
10	Jno. C. Parker	Tag board	9.50
16	Fred. A. Schmidt	Sponge rubber	.50
	W. H. Veerhoff	Picture mats	.60
	Mackall Bros	Alcohol	.65
20	Southern Pacific Co.	Passenger transportation	7.72
23	Pennsylvania R. R. Co.	do	15.85
27	United States Express Co.	Transportation	.25
	Adams Express Co.	do	4.06
30	A. C. True et al	Salaries	2,409.95
May 3	The Chesapeake and Potomac Telephone Co.	Rent	6.25
4	Wyckoff, Seamans & Benedict	Roller	1.50
8	Western Union Telegraph Co.	Services	1.48
	do	do	5.10
27	Savannah, Florida and Western Rwy. Co.	Passenger transportation	16.50
	Southern Rwy. Co.	do	19.89
28	W. H. Beal	Traveling expenses	171.00
	A. C. True	do	81.86
31	A. C. True et al	Salaries	2,384.44
June 4	Seaboard Air Line Rwy. Co.	Passenger transportation	4.80
11	M. Du Perow	Tube whistles	.50
14	Ernestine Fireman	Translating	55.00
15	E. L. Henry	Preparing index	100.00
21	Library Bureau	Cards	1.60
	Western Union Telegraph Co.	Service	4.63
24	Eberhard Faber	Bands	4.20
25	The Atchison, Topeka and Santa Fe Rwy.	Passenger transportation	38.40
	Oregon Short Line R. R. Co.	do	6.10
28	A. C. True	Traveling expenses	29.40
29	A. C. True et al	Salaries	2,192.72
	Total fourth quarter		7,633.30
	Supplemental.		
July 5	B. Tollens	Article for publication	100.00
16	A. C. True	Traveling expenses	10.20
17	Sheetz & Bishop	Films, etc.	3.20
	E. Fireman	Translating	45.00
20	F. H. Lovell & Co.	Clock	7.25



## Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## EXPERIMENT STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental.</i>			
1901.			
July 20	H. J. Green	Thermometer	\$1.25
26	Southern Pacific Co.	Transportation	13.70
	Baltimore and Ohio R. R. Co.	Passenger transportation	37.20
	Union Pacific R. R. Co.	do	19.85
	Louisville and Nashville R. R. Co.	do	9.59
	The Atchison, Topeka and Santa Fe Rwy. Co.	do	8.05
29	Hattie M. Pieters	Translating	87.50
	Chas. Grose	Cane seat for chair	1.00
	Wm. H. Rupp	Postal scale	2.70
30	Houghton & Delano	Seed plates, etc.	7.88
31	F. W. Woll	Translating	40.00
Aug. 1	Jno. C. Parker	Stamp racks, etc.	39.60
2	E. Morrison Paper Co.	Ledger cards	3.15
	Texas and New Orleans R. R. Co.	Passenger transportation	10.85
	The Rio Grande Western Rwy. Co.	do	18.00
	Illinois Central R. R. Co.	do	8.75
	The Colorado and Southern Rwy. Co.	do	2.75
	Pennsylvania R. R. Co.	do	8.30
	The Wabash R. R. Co.	do	24.60
	Yazoo and Mississippi Valley R. R. Co.	do	2.70
	Southern Rwy. Co.	do	20.98
6	W. B. Moses & Sons	Linoleum	191.90
12	Rudolph, West & Co.	Drawer pulls	.64
	The Geo. W. Knox Express Co.	Transportation	2.50
19	M. Du Perow	Telephones	120.00
21	The Chesapeake and Potomac Telephone Co.	Services	6.25
22	Chas. R. Edmonston	Cooler	3.80
Sept. 12	E. W. Allen	Traveling expenses	67.60
Oct. 5	Union Pacific R. R. Co.	Passenger transportation	14.65
	Chicago, Rock Island and Pacific Rwy. Co.	do	8.70
	Chicago and Northwestern Rwy. Co.	do	14.74
	Fremont, Elkhorn and Missouri Valley Rwy. Co.	do	1.57
	Southern Rwy. Co.	do	8.75
	Total		975.15

## RECAPITULATION.

First quarter	\$7,670.79
Second quarter	8,454.18
Third quarter	8,091.57
Fourth quarter	7,633.30
Supplemental	975.15
Total	32,824.99

## RESOURCES OF ALASKA.

[Appropriation for 1900-1901.]

Date.	Name.	Nature of payment.	Total.
1900.			
June 9	C. C. Georgeson	Salary	\$57.69
21	Allen & Nelson Mill Co.	Lumber	97.39
	Total fourth quarter, 1900		155.08
July 7	Schwabacher Hardware Co.	Hardware, etc.	39.13
	R. T. Shannon	Provisions	76.55
	Seattle Hardware Co.	Blocks, etc.	33.67
	Frederick, Nelson & Munro	Shades	15.05
	The Vulcan Iron Works Co.	Smokestack	36.00
	F. W. Baker	Blocks, rope, etc.	28.67
	Fred. E. Rader	Salary	74.20
	H. P. Nielsen	do	150.00
	C. C. Georgeson	do	247.25
21	Fred. E. Rader	Expenses	217.50
Aug. 3	H. P. Nielsen	Salary	150.00
	Fred. E. Rader	do	117.90
	Isaac Jones	do	117.90
	do	do	98.90
11	H. P. Nielsen	Expenses	33.30

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## RESOURCES OF ALASKA—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Aug. 14	M. G. Copeland & Co .....	United States flag .....	\$3. 45
23	Fred. E. Rader .....	Office expenses .....	136. 20
29	Chas. Fickz .....	Alder wood .....	20. 00
Sept. 5	H. P. Nielsen .....	Salary .....	101. 10
	Isaac Jones .....	do .....	117. 90
	Fred. E. Rader .....	do .....	117. 90
8	C. C. Georgeson .....	do .....	589. 60
	Total first quarter, 1901 .....		2,522. 17
Oct. 4	C. C. Georgeson .....	Salary .....	285. 40
	Fred. E. Rader .....	do .....	73. 40
	H. P. Nielsen .....	do .....	97. 80
	Isaac Jones .....	do .....	97. 80
5	Pacific and Arctic Rwy. and Navigation Co. ....	Passenger transportation .....	120. 00
	do .....	do .....	20. 00
16	Isaac Jones .....	Services .....	23. 08
24	Alaska Steamship Co .....	Passenger transportation .....	6. 00
	Pacific Coast Steamship Co. ....	do .....	25. 00
	Alaska Commercial Co. ....	do .....	40. 00
	North American Transportation and Trading Co. ....	do .....	10. 00
	Alaska Steamship Co .....	do .....	25. 00
Nov. 20	W. P. Mills .....	Lumber .....	16. 14
22	Isaac Jones .....	Traveling expenses .....	15. 00
28	C. C. Georgeson .....	do .....	205. 40
Dec. 3	W. P. Mills .....	Paint, etc .....	36. 95
20	Alaska Commercial Co. ....	Passenger transportation .....	10. 00
	Pacific Steam Whaling Co .....	Transportation .....	86. 00
29	Seattle Hardware Co. ....	Hardware .....	14. 50
	Total second quarter .....		1,207. 47
1901.			
Jan. 3	Isaac Jones .....	Traveling expenses .....	3. 60
Mar. 23	C. C. Georgeson .....	Expenses .....	18. 25
	Total third quarter .....		21. 85
Apr. 20	Pacific Coast Steamship Co. ....	Transportation .....	21. 29
May 27	do .....	do .....	12. 95
	Total fourth quarter .....		34. 24

## RECAPITULATION.

Fourth quarter, 1900 .....	\$155. 08
First quarter, 1901 .....	2,522. 17
Second quarter, 1901 .....	1,207. 47
Third quarter, 1901 .....	21. 85
Fourth quarter, 1901 .....	34. 24
Total .....	3,940. 81

## RESOURCES OF ALASKA.

Date.	Name.	Nature of payment.	Total.
1900.			
Sept. 22	F. E. Rader .....	Expenses .....	\$86. 50
	Total first quarter .....		86. 50
Oct. 2	Holden & Wilson Furniture Co .....	Rugs, etc. ....	61. 00
	Edw. de Groff .....	Coal .....	44. 00
	Standard Furniture Co .....	Table and stand .....	25. 50
Nov. 3	C. C. Georgeson .....	Salary .....	294. 80
	Isaac Jones .....	do .....	101. 10
	H. P. Nielsen .....	do .....	101. 10
	Fred. E. Rader .....	do .....	75. 80
14	W. P. Mills .....	Tools, etc .....	47. 45
21	C. D. Shaw .....	Wood .....	47. 50
Dec. 6	C. C. Georgeson .....	Salary .....	285. 40
	Fred. E. Rader .....	do .....	73. 40
	H. P. Nielsen .....	do .....	97. 80
	Isaac Jones .....	do .....	97. 80
29	H. P. Nielsen .....	Expenses .....	138. 75

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## RESOURCES OF ALASKA—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Dec. 29	Rohlf & Schoder .....	Lumber .....	\$17.00
	Frederick, Nelson & Munro .....	Furniture .....	40.50
	Total second quarter .....		1,548.90
1901.			
Jan. 3	Fred. E. Rader .....	Salary .....	\$75.80
	Isaac Jones .....	do .....	101.10
	C. C. Georgeson .....	do .....	252.70
24	Seattle Hardware Co .....	Hardware .....	4.65
Feb. 2	Edwd. de Groff .....	Ironwork tools .....	47.94
	The A. Humbach Co .....	Enamel tub, etc .....	107.50
	W. P. Mills .....	Hardware, etc .....	69.17
	Edw. de Groff .....	Sulphur .....	3.00
5	C. C. Georgeson .....	Salary .....	258.30
	do .....	Traveling expenses .....	11.90
	W. P. Mills .....	Shelving .....	58.95
	Isaac Jones .....	Salary .....	103.30
	Fred. E. Rader .....	do .....	77.50
6	Pacific Coast Steamship Co .....	Passenger transportation .....	60.00
Mar. 1	Isaac Jones .....	Salary .....	93.40
	Fred. E. Rader .....	do .....	70.00
	C. C. Georgeson .....	do .....	233.40
20	Tom Tilsen .....	Wood .....	10.00
	Jno. W. Dudley .....	Lime .....	7.00
30	C. C. Georgeson .....	Salary .....	258.30
	Fred. E. Rader .....	do .....	77.50
	Isaac Jones .....	do .....	103.30
	H. P. Nielsen .....	do .....	401.10
	Total third quarter .....		2,485.81
Apr. 4	The Alaska Publishing Co .....	Circular letter .....	6.38
	Ruben Albertstone .....	Rent, land .....	18.00
20	E. J. Pullman .....	Photo supplies .....	10.80
	Pacific Coast Steamship Co .....	Transportation .....	29.40
27	United States Express Co .....	do .....	8.80
30	Isaac Jones .....	Salary .....	98.90
	H. P. Nielsen .....	do .....	98.90
	Fred. E. Rader .....	do .....	98.90
	C. C. Georgeson .....	do .....	247.25
May 3	Edwd. De Groff .....	Coal oil, etc .....	14.55
	Carl Spuhn .....	Fish guano .....	29.80
6	W. P. Mills .....	Feed, repairs, etc .....	109.71
	do .....	Lumber .....	12.35
8	Henry J. Green .....	Thermometers .....	37.50
	Western Union Telegraph Co .....	Telegraph service .....	1.00
June 1	Isaac Jones .....	Salary .....	102.20
	H. B. Nielsen .....	do .....	102.20
	F. E. Rader .....	do .....	102.20
	C. C. Georgeson .....	do .....	255.50
3	Lilly Bogardus & Co .....	Peas, oats, and alfalfa .....	43.00
	H. P. Nielsen .....	Expenses .....	65.70
	Allen Lund .....	Herbarium .....	9.00
29	Isaac Jones .....	Salary .....	98.90
	Fred. E. Rader .....	do .....	98.90
	H. P. Nielsen .....	do .....	98.90
	Total fourth quarter .....		1,798.74
	<i>Supplemental.</i>		
July 25	H. P. Nielsen .....	Expenses .....	11.00
	do .....	do .....	34.45
30	C. N. Sandahl .....	Plants .....	2.50
Aug. 1	Jno. C. Parker .....	Tags .....	5.25
6	C. C. Georgeson .....	Expenses .....	18.95
9	E. De Groff .....	Coil oil and ink .....	6.40
	Total .....		78.55

## RECAPITULATION.

First quarter .....	\$86.50
Second quarter .....	1,548.90
Third quarter .....	2,485.81
Fourth quarter .....	1,798.74
Supplemental .....	78.55
Total .....	5,998.50



# 148 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## AGRICULTURAL RESOURCES OF HAWAII.

[Appropriation for 1900-1901.]

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 5	Oceanic Steamship Co .....	Passenger transportation .....	\$75.00
16	W. C. Stubbs .....	Services .....	1,050.00
24	Richmond, Fredericksburg and Potomac R. R. Co. ....	Passenger transportation .....	3.50
	Southern Rwy. Co .....	do .....	23.00
Nov. 24	Pennsylvania R. R. Co .....	do .....	3.50
Dec. 25	Baltimore and Ohio R. R. Co .....	do .....	20.25
	Total second quarter .....		1,175.25
1901.			
Jan. 5	W. C. Stubbs .....	Traveling expenses .....	189.80
Mar. 16	Jared G. Smith .....	Salary .....	125.00
30	do .....	do .....	133.33
	Total third quarter .....		448.13
Apr. 1	Jno. C. Parker .....	Cardboard .....	2.25
30	Jared G. Smith .....	Salary .....	247.25
May 8	Western Union Telegraph Co .....	Telegraph service .....	1.86
27	Oceanic Steamship Co .....	Passenger transportation .....	85.00
June 18	W. B. Moses & Sons .....	Rugs .....	12.33
21	Western Union Telegraph Co .....	Telegraph service .....	.94
	Total fourth quarter .....		349.63
	<i>Supplemental.</i>		
July 19	J. G. Smith .....	Salary .....	255.50
Aug. 1	Jno. C. Parker .....	Press copy sheets .....	7.62
	Total .....		263.12

## RECAPITULATION.

Second quarter .....	\$1,175.25
Third quarter .....	448.13
Fourth quarter .....	349.63
Supplemental .....	263.12
Total .....	2,236.13

## AGRICULTURAL RESOURCES OF PORTO RICO.

[Appropriation for 1900-1901.]

Date.	Name.	Nature of payment.	Total.
1900.			
July 12	Seaman A. Knapp .....	Salary .....	\$200.00
Aug. 3	do .....	do .....	200.00
Sept. 5	do .....	do .....	200.00
	Total first quarter .....		600.00
Oct. 9	Seaman A. Knapp .....	Salary .....	200.00
16	do .....	Traveling expenses .....	382.79
	do .....	Expenses .....	15.00
Nov. 28	do .....	do .....	123.33
	Total second quarter .....		721.12
1901.			
Apr. 30	F. D. Gardner .....	Salary .....	123.63
May 4	S. P. Johnson .....	Typewriter .....	60.00
13	Jno. S. Topham .....	Steamer trunk .....	6.50
16	Jno. C. Parker .....	Copyholders .....	3.50
	D. Frank Parker .....	Typewriter stand .....	4.00
21	Sheetz & Bishop .....	Kodak, etc .....	29.40
	G. W. Moss .....	Passenger transportation .....	50.00
24	Bausch & Lomb Optical Co .....	Services .....	13.50
28	R. P. Clarke Co .....	Towels .....	3.40
31	F. D. Gardner et al .....	Salaries .....	334.62
June 3	Brentanos .....	Books .....	21.75
13	Frank D. Gardner .....	Traveling expenses .....	67.27

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## AGRICULTURAL RESOURCES OF PORTO RICO—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
June 14	Bausch & Lomb Optical Co.....	Microscope .....	\$75.90
15	R. Carter Ballantyne.....	Labels .....	1.72
25	New York and Porto Rico Steamship Co..	Passenger transportation .....	180.00
29	Walter H. Evans et al.....	Salaries .....	148.30
	Total fourth quarter .....		1,123.49
	<i>Supplemental.</i>		
July 1	Frank D. Gardner.....	Salary .....	247.25
30	Brentanos.....	Cyclopedia of horticulture .....	16.30
Aug. 1	Jno. C. Parker.....	Copying press .....	10.50
10	Chas. R. Edmonston.....	Cooler and stand .....	5.80
12	The Geo. W. Knox Express Co.....	Transportation .....	1.10
21	Yawman & Erbe Manufacturing Co.....	Files .....	2.70
Oct. 5	Baltimore and Ohio R. R. Co.....	Passenger transportation .....	6.50
	Total .....		290.15

## RECAPITULATION.

First quarter.....	\$600.00
Second quarter.....	721.12
Fourth quarter.....	1,123.49
Supplemental.....	290.15
Total .....	2,734.76

## NUTRITION INVESTIGATIONS.

Date.	Name.	Nature of payment.	Total.
1900.			
July 25	Mary H. Abel.....	Article for publication.....	\$150.00
31	C. F. Langworthy.....	Salary .....	151.60
Aug. 3	W. O. Atwater et al.....	Salaries .....	1,301.90
	Chas. D. Woods.....	Salary .....	84.20
29	Isabel Bevier.....	Dietary study.....	100.00
31	C. F. Langworthy.....	Salary .....	151.60
Sept. 4	W. O. Atwater et al.....	Salaries.....	913.14
	Chas. D. Woods.....	Salary .....	84.20
6	Russell A. Frisbie.....	Bicycle.....	28.00
22	C. F. Langworthy.....	Traveling expenses .....	13.00
29	do.....	Salary .....	146.80
	Total first quarter .....		3,124.44
Oct. 5	W. O. Atwater et al.....	Salaries .....	778.66
	Chas. D. Woods.....	Salary .....	81.10
23	S. C. Dinsmore.....	Alterations in calorimeter .....	42.00
31	C. F. Langworthy.....	Salary .....	151.60
Nov. 3	Chas. D. Woods.....	do.....	84.20
5	W. O. Atwater.....	Traveling expenses .....	50.00
	do.....	Expenses .....	2.05
	W. O. Atwater et al.....	Salaries .....	788.60
12	S. C. Dinsmore.....	Services .....	59.50
30	C. F. Langworthy.....	Salary .....	146.80
Dec. 3	L. A. Voorhes.....	Report on bread experiments.....	250.00
	Chas. D. Wood.....	Salary .....	81.60
	W. O. Atwater et al.....	Salaries.....	913.60
31	A. P. Bryant.....	Traveling expenses .....	16.55
	C. F. Langworthy.....	Salary .....	151.60
	Total second quarter .....		3,598.36
1901.			
Jan. 5	W. O. Atwater.....	Expenses .....	107.50
	do.....	Traveling expenses .....	14.39
	W. O. Atwater et al.....	Salaries .....	996.09
	Chas. D. Woods.....	Salary .....	84.20
19	Jas. P. Stow.....	Motor with switch .....	162.50
21	Eimer & Amend.....	Lining bomb .....	38.05
23	W. O. Atwater.....	Expenses .....	33.85
	do.....	do.....	4.75
Feb. 5	W. O. Atwater et al.....	Salaries.....	911.00

Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## NUTRITION INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Feb. 5	Chas. D. Woods	Salary	\$86.10
11	W. O. Atwater	Traveling expenses	10.45
	J. Burkitt Webb	Paper	5.50
Mar. 2	W. O. Atwater	Expenses	83.00
	W. O. Atwater et al.	Salaries	693.50
	Chas. D. Woods	Salary	77.80
	Total third quarter		3,308.68
Apr. 1	The New York, New Haven and Hartford R. R. Co.	Passenger transportation	5.00
	Southern Rwy. Co.	do	36.90
3	Densmore Typewriter Co.	Repairing typewriter	7.75
4	W. O. Atwater	Traveling expenses	14.99
	do	Expenses	59.50
	Chas. D. Woods	Traveling expenses	67.20
	W. O. Atwater et al.	Salaries	1,109.17
	Chas. D. Woods	Salary	86.10
19	L. R. Hazen	Gummed paper	4.00
24	W. O. Atwater	Traveling expenses	9.50
	C. E. Waite	Report for publication	400.00
29	W. O. Atwater	Expenses	5.79
May 2	Chas. D. Woods	Salary	82.40
3	W. O. Atwater et al.	Salaries	891.90
8	Western Union Telegraph Co.	Telegraph service	2.19
13	The Goodwin & Kintz Co.	Capsules, etc.	36.13
24	H. S. Grindley	Report	400.00
	R. W. Keeler	Services	16.85
	R. S. Kinney	do	15.75
	H. A. Pratt	do	19.00
	C. R. Hickok	do	18.00
	N. M. Johnson	do	4.90
	O. C. Becker	do	32.60
	R. Bogani	do	36.38
	F. N. Freeman	do	18.40
	J. C. Ware	do	45.00
June 5	C. D. Woods	Salary	85.20
	C. F. Hale	Services	11.15
	R. Bogani	do	33.80
	F. N. Freeman	do	8.90
	N. M. Johnson	do	7.60
	R. S. Kinney	do	6.60
	R. W. Keeler	do	6.00
	O. C. Becker	do	7.75
	H. A. Pratt	do	17.06
7	W. O. Atwater	do	52.10
	W. O. Atwater et al.	Salaries	839.50
18	W. O. Atwater	Expenses	16.10
21	Western Union Telegraph Co.	Telegraph services	1.41
25	M. E. Jeffa	Report	300.00
	Total fourth quarter		4,818.67
	Supplemental.		
July 5	Helen W. Atwater	Report	150.00
	Chas. D. Woods	Salary	82.40
	W. O. Atwater et al.	Salaries	963.00
8	O. S. Blakesley	Calorimeter	247.00
25	W. O. Atwater	Expenses	7.12
29	Harry Snyder	Report	500.00
	C. E. Wait	do	350.00
30	H. G. Grindley	do	350.00
	Total		2,649.52

## RECAPITULATION.

First quarter	\$3,124.44
Second quarter	3,598.36
Third quarter	3,308.68
Fourth quarter	4,818.67
Supplemental	2,649.52
Total	17,499.67



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## ARLINGTON EXPERIMENTAL FARM.

Date.	Name.	Nature of payment.	Total.
1900.			
Aug. 31	Jno. W. Olden et al	Salaries	\$1,014.45
Sept. 29	do	do	941.10
	Total first quarter		1,955.55
Oct. 31	Jno. W. Olden et al	Salaries	997.02
Nov. 30	do	do	1,031.35
Dec. 31	do	do	1,056.95
	Total second quarter		3,085.32
1901.			
Jan. 7	Baker Sedgwick	Labor	4.00
31	Jno. W. Olden et al	Salaries	728.87
Feb. 28	do	do	311.52
Mar. 13	W. M. Galt & Co.	Hay	8.62
	Leidy S. Depue	Oats	9.90
30	Jno. W. Olden et al	Salaries	206.10
	Total third quarter		1,269.01
Apr. 4	W. M. Galt & Co.	Hay	8.85
9	Leidy S. Depue	Oats	13.20
30	Jno. W. Olden et al	Salaries	418.40
May 17	Rudolph. West & Co	Spades	12.12
31	Jno. W. Olden et al	Salaries	451.20
June 4	W. M. Galt & Co.	Hay	16.83
	Cropley & Boteler	Plows	34.00
	L. S. Depue	Oats	16.50
	P. H. Heiskell, jr., & Co.	Plow points	17.30
11	Cropley & Boteler	Harrow	11.00
	B. B. Earnshaw & Bro.	Corn, etc	21.36
	L. S. Depue	Oats	16.50
	W. M. Galt & Co.	Hay	16.95
18	J. T. Walker Sons	Lime	3.75
21	B. B. Earnshaw & Bro.	Corn	9.20
	P. H. Heiskell, jr., & Co.	Cutter points	4.60
	Len H. Adams & Son	Peas	45.50
25	P. Mann & Co.	Bone potash, etc	6.25
	P. H. Heiskell, jr., & Co	Mower	38.00
	do	Plow handles	1.25
27	Mackall Bros	Soda and potash	12.00
29	Jno. W. Olden et al	Salaries	536.95
	Total fourth quarter		1,673.71
	Supplemental.		
July 13	P. H. Heiskell, jr., & Co	Plow points	10.80
17	Church & Stephenson	Lumber	2.18
Aug. 12	Rudolph. West & Co	Horse brushes, etc	.82
	Total		13.80

## RECAPITULATION.

First quarter	\$1,955.55
Second quarter	3,085.32
Third quarter	1,269.01
Fourth quarter	1,673.71
Supplemental	13.80
Total	7,997.39

## ARLINGTON EXPERIMENTAL FARM.

[Appropriation 1900-1901.]

Date.	Name.	Nature of payment.	Total.
1900.			
June 30	Jno. W. Dawson	Salary	\$18.00
	Total fourth quarter, 1900		18.00

Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## ARLINGTON EXPERIMENTAL FARM—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
July 5	Geo. A. Shehan	Lumber	\$144.41
14	Chas. Olden	Labor	2.00
16	Rudolph, West & Co	Pick handles	3.60
do	do	Nails, etc	17.52
do	do	Garden tools	35.65
	W. J. Cogswell	Buggy	65.00
19	C. Becker	Harness	43.50
31	Jno. W. Olden et al.	Salaries	549.75
Aug. 3	Jas. B. Lambie	Mattock, barrow, etc	36.00
14	Geo. M. Barker	Glazing	6.68
	Rudolph, West & Co	Grindstone, etc	9.48
25	Church & Stephenson	Lumber	213.74
Sept. 12	Rudolph, West & Co	Bench, wrench, etc	9.23
15	Chas. Becker	Linseed oil	1.20
17	Jas. B. Lambie	Hardware	21.85
Total first quarter, 1901			1,159.61
Oct. 2	Hugh Reilly	Paint	.50
10	Church & Stephenson	Lumber	70.87
12	Rudolph, West & Co	Hardware	4.92
30	Hugh Reilly	Glass	3.56
	Geo. F. Muth & Co	Lead and turpentine	2.02
Nov. 3	P. Mann & Co.	Scraper, plow, etc	19.50
do	do	Coulters, etc	7.25
17	Rudolph, West & Co	Hardware	16.80
24	W. M. Galt & Co	Hay	8.25
27	B. B. Earnshaw & Bro.	Rye straw	3.54
	Leidy S. Depue	Oats and corn	7.85
Dec. 5	Rudolph, West & Co	Shovels and spades	13.33
	Leidy S. Depue	Oats	23.10
17	P. Mann & Co.	Road scraper, etc	11.60
	James B. Lambie	Hardware	7.10
	W. M. Galt & Co	Hay	9.33
Total second quarter			209.52
1901.			
Jan. 4	Leidy S. Depue	Oats	16.50
5	W. M. Galt & Co	Hay	33.90
7	Thos. W. Smith	Lumber	64.80
	Fred. A. Schmidt	Repairing transit	2.00
	B. B. Earnshaw & Bro.	Feed	4.60
12	P. H. Heiskell, jr., & Co	Drain tile	151.60
14	Rudolph, West & Co	Axle grease	.48
22	P. Mann & Co.	Shares	.70
24	Harry B. Lyford	Spades, etc	21.75
29	P. H. Heiskell, jr., & Co	Drain tile	140.00
Feb. 11	Church & Stephenson	Lumber	15.00
Mar. 19	B. B. Earnshaw & Bro.	Corn and straw	16.76
	Jas. B. Lambie	Files	1.33
Total third quarter			469.42
June 25	P. H. Heiskell, jr., & Co	Mower	38.00
Total fourth quarter			38.00
Supplemental.			
Aug. 19	Melville Lindsay	Rubber boots	38.50
Sept. 3	B. T. Galloway	Expenses	9.50
Oct. 11	The Geo. W. Knox Express Co.	Transportation	6.09
Total			54.09

## RECAPITULATION.

Fourth quarter, 1900	\$18.00
First quarter, 1901	1,159.61
Second quarter, 1901	209.52
Third quarter, 1901	469.42
Fourth quarter, 1901	38.00
Supplemental	54.09
Total	1,948.64

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## PUBLIC ROAD INQUIRIES.

Date.	Name.	Nature of payment.	Total.
1900.			
July 25	Martin Dodge	Traveling expenses	\$61.44
31	Martin Dodge et al.	Salaries	397.60
Aug. 3	E. G. Harrison	Salary	151.60
4	Martin Dodge	Traveling expenses	32.20
16	E. G. Harrison	do	18.54
	do	do	7.61
31	Martin Dodge et al.	Salaries	397.60
Sept. 1	do	Traveling expenses	81.91
5	R. P. Clarke Co	Sheet and tape	1.60
18	E. G. Harrison	Salary	151.60
19	Rudolph, West & Co	Hammer	.50
22	H. S. Earle	Services	72.00
24	United States Envelope Co.	Envelopes	18.55
27	Houghton & Delano	Photograph holders	7.50
29	Martin Dodge et al.	Salaries	384.80
	Total first quarter		1,785.05
Oct. 2	J. A. Holmes	Salary	40.00
3	E. G. Harrison	do	146.80
5	Michigan Central R. R. Co	Passenger transportation	4.00
9	M. O. Eldridge	Traveling expenses	57.25
10	E. G. Harrison	do	23.25
	H. S. Earle	do	17.07
	D. Frank Parker	Typewriter paper	22.50
13	Martin Dodge	Traveling expenses	205.70
	do	Expenses	6.00
16	M. O. Eldridge	Traveling expenses	28.41
	H. S. Earle	Salary	168.00
23	The Press Clipping Bureau	Clippings	20.00
24	H. S. Earle	Traveling expenses	62.15
	The Atchison, Topeka and Santa Fe Rwy. Co	Passenger transportation	14.00
26	H. H. Gross	Services	120.00
31	Martin Dodge et al.	Salaries	397.60
Nov. 2	United States Envelope Co.	Envelopes	4.55
	do	do	14.00
3	E. G. Harrison	Salary	151.60
	The Chesapeake and Potomac Telephone Co	Rent	4.14
14	Martin Dodge	Traveling expenses	85.35
	T. H. Musson	Salary	60.00
16	J. A. Holmes	do	200.00
19	Houghton & Delano	Slide boxes	2.00
20	L. W. Page	Salary	176.00
	H. H. Gross	do	120.00
	The Murray Lyceum Bureau	Lantern slides	2.80
	Geo. B. Killian Co.	Paper boxes	3.00
	M. O. Eldridge	Traveling expenses	80.09
	do	Expenses	12.00
	do	do	5.00
21	H. S. Earle	Traveling expenses	21.66
24	Pennsylvania R. R. Co	Passenger transportation	9.00
28	Jas. W. Abbott	Traveling expenses	22.50
	do	Salary	200.00
	H. S. Earle	do	32.00
30	Martin Dodge et al.	Salaries	384.80
Dec. 3	The Press Clipping Bureau	Clippings	10.00
	E. G. Harrison	Salary	146.80
	Logan W. Page	Traveling expenses	60.65
11	do	Salary	200.00
15	Jas. W. Abbott	do	176.00
	do	Traveling expenses	81.50
17	Mackall Bros	Adhesive plasters	.35
18	E. G. Harrison	Traveling expenses	20.50
19	M. O. Eldridge	do	9.00
	do	Expenses	2.50
20	Soule Photo Co	Slides	2.40
	Baltimore and Ohio R. R. Co.	Passenger transportation	9.00
21	The Press Clipping Bureau	Clippings	10.00
26	Martin Dodge	Traveling expenses	72.45
31	Martin Dodge et al.	Salaries	549.20
	Total second quarter		4,273.57
1901.			
Jan. 2	Pennsylvania R. R. Co	Passenger transportation	38.25
3	T. H. Musson	Salary	78.00
4	Robt. Stone	Traveling expenses	27.75
	Logan W. Page	Salary	192.00
5	do	Traveling expenses	47.45
	J. A. Holmes	do	31.40
	do	Expenses	60.85



Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## PUBLIC ROAD INQUIRIES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Jan. 14	J. H. Stout	Services	\$496.00
	J. A. Holmes	do	128.94
	do	do	264.00
16	Martin Dodge	Traveling expenses	25.75
19	W. H. Rau	Lantern slides	6.00
22	T. H. Musson	Salary	78.00
31	Martin Dodge et al.	Salaries	561.50
Feb. 4	Logan W. Page	Salary	176.00
5	W. C. Burnett	Labor	23.30
6	The Atchison, Topeka and Santa Fe Rwy. Co	Passenger transportation	61.10
	Pere Marquette R. R. Co	do	2.25
	Pennsylvania R. R. Co	do	4.57
11	The Press Clipping Bureau	Clippings	10.00
	do	do	8.91
12	J. H. Stout	Salary	106.00
	The Chesapeake and Potomac Telephone Co	Rent	6.25
16	M. O. Eldridge	Traveling expenses	5.70
18	Jas. W. Abbott	do	26.75
	do	Salary	160.00
28	Martin Dodge et al.	Salaries	437.00
Mar. 1	Fannie C. Harrison	Traveling expenses	7.76
2	Martin Dodge	do	71.05
5	L. W. Page	Salary	155.60
12	Martin Dodge	Traveling expenses	13.06
13	Adams Bros	Ventilator	1.00
18	Dennison Manufacturing Co	Tags	6.00
20	J. H. Stout	Salary	96.00
	Martin Dodge	Traveling expenses	12.60
23	M. O. Eldridge	do	7.75
30	Martin Dodge et al.	Salaries	618.70
	Total third quarter		4,052.67
Apr. 1	Jas. W. Abbott	Salary	176.00
	Pennsylvania R. R. Co	Passenger transportation	4.57
	do	do	6.80
9	The Geo. W. Knox Express Co.	Transportation	.75
12	J. A. Holmes	Salary	280.00
16	M. O. Eldridge	Expenses	15.00
18	J. A. Holmes	Traveling expenses	115.15
25	The Press Clipping Bureau	Clippings	10.00
	do	do	10.00
27	Adams Express Co	Transportation	7.27
30	Martin Dodge et al.	Salaries	553.70
May 1	Jas. W. Abbott	Salary	120.00
	J. H. Stout	do	96.00
3	The Chesapeake and Potomac Telephone Co	Telephone rent	6.25
25	M. O. Eldridge	Traveling expenses	10.00
27	Baltimore and Ohio R. R. Co	Passenger transportation	5.15
31	Martin Dodge et al.	Salaries	359.60
June 1	J. H. Stout	Salary	130.00
	J. W. Abbott	do	100.00
	do	do	100.00
13	Houghton & Delano	Slide plates	.41
14	The Chesapeake and Potomac Telephone Co	Moving telephone	.45
	The Press Clipping Bureau	Clippings	10.00
18	H. B. Hawkins	Lantern slides	4.50
21	Western Union Telegraph Co.	Telegraph service	4.18
	do	do	7.82
	do	do	3.15
	do	do	2.73
	do	do	1.39
	do	do	6.49
	do	do	13.34
29	Martin Dodge et al.	Salaries	347.70
	Total fourth quarter		2,508.40
	Supplemental.		
July 2	Martin Dodge	Salary	419.00
6	do	Traveling expenses	150.95
13	Houghton & Delano	Photographic supplies	2.60
16	M. O. Eldridge	Traveling expenses	76.93
Aug. 2	United States Envelope Co.	Envelopes	10.10
	do	do	44.80
6	Jas. W. Abbott	Salary	264.00
9	T. H. Musson	Traveling expenses	71.95
12	The Geo. W. Knox Express Co.	Transportation	6.39
	J. A. Holmes	Salary	200.00
21	The Chesapeake and Potomac Telephone Co	Service	6.25
23	The American Press Information Bureau.	Clippings	51.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## PUBLIC ROAD INQUIRIES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. Aug. 30	The Press Clipping Bureau.....	Clippings.....	\$10.00
	do.....	do.....	10.00
Oct. 3	Martin Dodge.....	Traveling expenses.....	8.75
5	Baltimore and Ohio R. R. Co.....	Passenger transportation.....	10.85
11	The Geo. W. Knox Express Co.....	Transportation.....	2.91
	Total.....		1,346.48

## RECAPITULATION.

First quarter.....	\$1,785.05
Second quarter.....	4,273.57
Third quarter.....	4,052.67
Fourth quarter.....	2,508.40
Supplemental.....	1,345.48
Total.....	13,965.17

## PUBLICATIONS—FARMERS' BULLETINS.

1900. July 31	A. I. Mudd.....	Salaries.....	\$467.60
Aug. 31	do.....	do.....	456.31
Sept. 29	do.....	do.....	475.49
	Total first quarter.....		1,399.40
Oct. 31	S. Edwin Thornton et al.....	Salaries.....	413.70
Nov. 30	do.....	do.....	436.60
Dec. 31	do.....	do.....	349.70
	Total second quarter.....		1,200.00
1901. Jan. 26	The Maurice Joyce Engraving Co.....	Engraving.....	33.00
31	S. Edwin Thornton et al.....	Salaries.....	377.25
Feb. 7	Geo. G. Hill.....	Manuscript for bulletin.....	125.00
16	Geo. W. Poole.....	Specification for building.....	10.00
19	Chas. H. Smith.....	Drawing for barn.....	16.00
	do.....	Drawing for farm.....	20.00
28	S. Edwin Thornton et al.....	Salaries.....	366.80
Mar. 18	Gatchell & Manning.....	Diagrams and plans.....	13.25
	The Publishers and Printers' Engraving Co.....	Engraving.....	10.74
30	S. Edwin Thornton et al.....	Salaries.....	396.60
	Total third quarter.....		1,368.64
Apr. 3	The Publishers and Printers' Engraving Co.....	Engravings.....	10.59
30	C. H. Greathouse et al.....	Salaries, April.....	515.20
May 31	do.....	Salaries, May.....	529.52
June 29	do.....	Salaries, June.....	374.50
	Total fourth quarter.....		1,629.81

## RECAPITULATION.

First quarter.....	\$1,399.40
Second quarter.....	1,200.00
Third quarter.....	1,368.64
Fourth quarter.....	1,629.81
Total.....	5,597.85

## ARTISTS, DRAFTSMEN, ENGRAVERS, ETC.

Date.	Name.	Nature of payment.	Total.
1900. July 31	L. S. Williams et al.....	Salaries.....	\$4,096.47
Aug. 10	J. P. Nawrath.....	White linen.....	18.50
14	The Maurice Joyce Engraving Co.....	Engraving.....	2.08
21	Fred. A. Schmidt.....	Drawing, etc.....	10.58
25	Easton & Rupp.....	Scrapbooks.....	16.00
29	The Marine Review Publishing Co.....	Photos.....	3.75
	Fred. A. Schmidt.....	Artists' materials.....	22.00
	do.....	Cardboard.....	11.00
31	L. S. Williams et al.....	Salaries.....	4,118.91

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## ARTISTS, DRAFTSMEN, ENGRAVERS, ETC.—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Sept. 7	The Randolph Paper Box Co.	Boxes	\$33.75
21	Geo. Meier & Co.	Gum arabic	66.00
24	Library Bureau	Index cards	44.80
	Southern Printers Supply Co	Electros	70
29	L. S. Williams et al.	Salaries	3,957.27
	Total first quarter		12,401.81
Oct. 4	Emil Greiner	Graduates	1.94
15	J. P. Nawrath	Twine	38.25
16	Rudolph, West & Co.	Brushes, etc	28.85
	Houghton & Delano	Bath tray	6.00
	Ernest Betz	Iron cups	4.80
30	Geo. F. Muth Co	Glass	3.00
	Fred. A. Schmidt	Ink	6.75
	do	Reducing glasses	5.00
31	L. S. Williams et al	Salaries	4,022.80
Nov. 2	Library Bureau	Index cards	56.00
	Mackall Bros	Nitrate silver, etc	31.29
19	Houghton & Delano	Photo supplies	56.66
	do	do	1.55
20	The Maurice Joyce Engraving Co	Engraving	7.24
	do	do	3.75
	Fred. A. Schmidt	Paper and dividers	18.46
21	Sarah I. Proctor	Salary	36.52
23	V. Grottenthaler Co	Boxwood blocks	21.12
	Houghton & Delano	Camera, lens, etc	141.52
27	Fred. A. Schmidt	Solar paper	7.61
30	L. S. Williams et al.	Salaries	3,219.40
Dec. 15	W. M. Hays	Article, Plant Breeding	300.00
17	Houghton & Delano	Seed plates, etc	6.74
	J. E. Turton	Tags	22.50
18	Library Bureau	Binders	6.60
20	United States Envelope Co	Envelopes	4,819.86
31	L. S. Williams et al.	Salaries	3,175.43
	Total second quarter		16,052.64
1901.			
Jan. 4	V. Grottenthaler Co.	Boxwood	47.88
18	Richd. L. Lamb	Ribbons for stamps	.60
26	Fred. A. Schmidt	Solar paper	3.78
29	Mackall Bros	Chemicals	1.17
31	L. S. Williams et al	Salaries	4,029.27
Feb. 13	The Randolph Paper Box Co	Boxes, etc	12.00
23	Houghton & Delano	Photo supplies	9.28
	The Publishers and Printers' Engraving Co.	Engravings	3.44
26	Geo. F. Muth & Co.	Pens, ink, etc	10.40
28	L. S. Williams et al	Salaries	3,848.72
Mar. 13	Fred. A. Schmidt	Drawing materials	15.50
19	Mackall Bros.	Nitrate of silver	32.52
30	L. S. Williams et al	Salaries	4,051.47
	Total third quarter		12,066.03
Apr. 1	John C. Parker	Copier	1.25
3	The Publishers and Printers' Engraving Co.	Engravings	5.98
9	The Maurice Joyce Engraving Co	do	1.50
16	J. Manz Engraving Co	do	13.00
	S. P. Johnson	Attachment for typewriter	5.00
17	Southern Printers' Supply Co.	Woodcuts	3.00
19	Gatchel & Manning	Engraving	3.00
25	Fred. A. Schmidt	Artists' material	37.60
30	L. S. Williams et al	Salaries	4,140.89
May 1	Fred. A. Schmidt	Drawing instruments	14.55
May 16	Southern Printers' Supply Co	Woodcuts	2.00
	Z. D. Gilman	Glass	21.00
28	Wm. H. Rupp	Paper	2.00
	The Maurice Joyce Engraving Co	Map	5.60
	do	Engraving initials	.50
June 11	Angelo F. Small	Salary	15.00
	The Maurice Joyce Engraving Co	Electrotypes	3.30
28	R. Carter Ballantyne	Pens	2.17
29	H. S. Walter et al.	Salaries	2,578.12
	Total fourth quarter		6,857.47
	Supplemental.		
July 2	Southern Printers' Supply Co.	Electros	6.75
	Fred. A. Schmidt	Artists' materials	99.46
	Total		106.21



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## RECAPITULATION.

First quarter.....	\$12,401.81
Second quarter.....	16,052.64
Third quarter.....	12,066.03
Fourth quarter.....	6,857.47
Supplemental.....	106.21
Total.....	47,484.16

## PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS.

Date.	Name.	Nature of payment.	Total.
1900.			
July 31	R. J. Whittleton et al.	Salaries	\$1,508.90
Aug. 1	Saml. H. Moore	Library portfolios	23.25
20	J. M. Thornburn & Co.	Seeds	1.50
21	C. F. Curtiss	do	100.00
31	R. J. Whittleton et al.	Salaries	1,508.90
Sept. 7	Fredk. S. Morse	Pineapple plants	23.00
17	Austin Smith	Blotting paper	9.20
18	Iowa Seed Co.	Seed wheat	22.00
29	R. J. Whittleton et al.	Salaries	1,739.87
	Total first quarter		4,936.62
Oct. 20	Jno. C. Parker	Seed bags	36.54
31	R. J. Whittleton et al.	Salaries	1,795.84
Nov. 2	The Chesapeake and Potomac Telephone Co.	Rent	6.25
9	Wm. B. Stockman	Expenses	10.76
20	A. C. Nellis	Seeds	102.50
	do	do	36.00
21	Plant Seed Co.	do	179.40
	Polman Mooy	Bulbs	2,381.58
30	R. J. Whittleton et al.	Salaries	2,598.20
	Matthias Haggerty et al.	do	217.51
Dec. 8	Alex. Schmidt	Boxes	72.51
31	R. J. Whittleton et al.	Salaries	2,739.86
	A. C. Mann et al.	do	160.21
	Total second quarter		10,337.16
1901.			
Jan. 3	The C. A. Smurthwaite Produce Co.	Seeds and sacks	302.72
4	Richard E. Kunze	Seeds	5.00
	J. M. Thornburn & Co.	do	138.69
	J. Louis Loose	Plants	115.00
14	M. Du Perow	Desk telephones	21.00
16	The Geo. W. Knox Express Co.	Transportation	112.86
19	W. F. Allen	Plants	90.00
	A. G. Delmas	Pecan nuts	32.00
24	Reading Paper Mills	Paper	45.00
26	Utah Sugar Co.	Sugar-beet seed	100.00
	Jas. R. Collins	Seed bags	153.74
	Thos. Meehan & Sons	Plants	18.35
30	Herbert Post	Nuts	80.00
31	R. J. Whittleton et al.	Salaries	2,001.10
	A. C. Mann et al.	do	196.40
Feb. 1	Adolph Falck	Beet seed	480.00
2	J. P. Nawrath	Cotton	6.38
	Austin Smith	Blotting paper	9.20
5	Jas. R. Collins	Seed bags	26.84
	Samuel Miller	Pecan seedlings	10.00
11	Willett & Gray	Sugar-beet seed	537.60
12	O. D. Faust	Pecans	10.00
	G. W. Boynton	Russian cucumber seed	1.00
	The Chesapeake and Potomac Telephone Co.	Rent	6.25
	do	do	1.70
14	The Geo. W. Knox Express Co.	Transportation	2.14
19	E. E. Risien	Pecans	25.00
	Stewart Pecan Co.	do	48.75
21	New York Market Gardeners' Association	Seeds	4,240.71
26	The Chesapeake and Potomac Telephone Co.	Labor	11.38
27	Seth H. Kenney & Son	Cane seed	92.28
28	R. J. Whittleton et al.	Salaries	2,184.00
	A. C. Mann et al.	do	177.20
Mar. 2	T. W. Wood & Sons	Corn	12.50
5	New York Market Gardeners' Association	Seeds	9,670.06
7	The Henry Philipps Seed and Implement Co.	Seeds and bags	19.20
16	J. M. Thornburn & Co.	Seeds	180.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Mar. 16	New York Market Gardeners' Association.	Seeds .....	\$11,060.18
18	California Nursery Co. ....	Walnut trees .....	7.50
	Edmund Starke .....	Seeds .....	400.00
	Alice F. Crane .....	do .....	20.00
	Fredk. Spiker .....	Rye .....	2.00
	G. W. Wetherell .....	Wheat .....	20.00
	Mary Best .....	Sorghum seeds .....	562.50
	Suzuki & Iida .....	Freight on seeds .....	2.03
	August Rolker & Sons .....	Seeds .....	485.00
	Suzuki & Iida .....	do .....	49.40
	S. De Mroziuski .....	Oats .....	60.00
19	T. S. Hubbard & Co. ....	Grapevines .....	195.65
25	The Chesapeake and Potomac Telephone Co. ....	Moving telephone .....	1.55
29	New York Market Gardeners' Association.	Seeds .....	17,472.85
30	R. J. Whittleton et al .....	Salaries .....	2,542.67
	A. C. Mann et al .....	do .....	196.40
	Total third quarter .....		54,241.78
Apr. 1	Jno. C. Parker .....	Manila paper .....	30.50
6	do .....	do .....	14.63
9	New York Market Gardeners' Association.	Seeds .....	14,094.87
11	Maggie E. Renshaw .....	Pecans .....	1.00
12	Jas. R. Collins .....	Seed bags .....	31.71
	J. H. H. Boyd .....	Seeds .....	11.10
16	New York Market Gardeners' Association.	do .....	11,465.88
18	Thos. Mecham & Sons .....	Black walnut stocks .....	1.25
19	G. L. Taber .....	Plants .....	16.00
	J. M. Thornburn & Co. ....	Clover seed .....	10.80
	T. W. Wood & Sons .....	Seeds .....	27.60
24	T. S. Hubbard & Co. ....	Grapevines .....	123.25
	F. S. Phoenix .....	Nut trees .....	30.25
29	T. S. Williams .....	Seeds .....	1.75
30	R. J. Whittleton et al .....	Salaries .....	2,733.95
	A. C. Mann et al .....	do .....	187.90
May 1	Will W. Tracy, jr. ....	Expenses .....	39.98
2	Dammann & Co. ....	Seeds .....	2.63
3	The Chesapeake and Potomac Telephone Co. ....	Telephone rent .....	6.25
	do .....	do .....	6.25
	New York Market Gardeners' Association.	Seeds .....	15,786.82
6	Reading Paper Mills .....	Manila paper .....	45.00
	J. Steckler Seed Co., Limited .....	Pecan nuts .....	75.00
8	Western Union Telegraph Co. ....	Telegraph service .....	1.48
13	Austin Smith .....	Blotting paper .....	1.20
	W. F. Allen .....	Strawberry plants .....	28.90
	Blue Line Transfer Co. ....	Transportation .....	6.02
20	J. M. Thornburn & Co. ....	Salt bush .....	35.00
	Stuart Pecan Co. ....	Pecan trees .....	8.00
24	H. L. Galloway .....	Seeds .....	25.62
28	Western Union Telegraph Co. ....	Telegraph service .....	1.08
31	R. J. Whittleton et al .....	Salaries .....	1,505.55
	A. C. Mann et al .....	do .....	194.20
June 14	D. M. Ferry & Co. ....	Seeds .....	.60
	W. A. Burpee & Co. ....	do .....	4.17
	Peter Henderson & Co. ....	do .....	2.20
	J. M. Thornburn & Co. ....	do .....	13.60
	do .....	do .....	2.15
17	The Livingston Seed Co. ....	do .....	1.20
18	T. S. Hubbard Co. ....	Grapevines .....	3.43
	T. Watase .....	Seed rice .....	540.00
21	Louis Leroy .....	Grapevines .....	22.66
	Western Union Telegraph Co. ....	Telegraph service .....	3.90
25	Fred Springmann .....	Hauling .....	5.40
29	R. J. Whittleton et al .....	Salaries .....	1,384.93
	A. C. Mann et al .....	do .....	187.90
	Total fourth quarter .....		48,731.56
	Supplemental.		
July 13	Reasoner Bros. ....	Seeds .....	31.10
16	New York Market Gardeners' Association.	do .....	6,782.99
17	J. L. Loose .....	Small fruits .....	20.00
19	D. Landreth & Sons .....	Seeds .....	40.50
20	J. M. Thornburn & Co. ....	do .....	.50
25	Peter Henderson & Co. ....	do .....	17.50
Aug. 1	J. R. Freeman .....	Plants .....	233.50
19	Wm. Bull .....	Seeds .....	83.70

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## PURCHASE AND DISTRIBUTION OF VALUABLE SEEDS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Aug. 21	The Chesapeake and Potomac Telephone Co.	Service .....	\$10.34
Oct. 2	Vilmorin, Andrieux & Co.	Seeds .....	3.22
	J. L. Loose .....	Plants .....	233.50
	T. S. Hubbard Co .....	Vines, etc. ....	3.12
	F. Sander & Co .....	Plants .....	38.45
	Vilmorin, Andrieux & Co .....	Seeds .....	138.63
10	Jas. Veitch & Sons .....	Plants .....	58.15
11	The Geo. W. Knox Express Co .....	Transportation .....	.70
	Total .....		7,695.90

## RECAPITULATION.

First quarter .....	\$4,936.62
Second quarter .....	10,337.16
Third quarter .....	54,241.78
Fourth quarter .....	48,731.56
Supplemental .....	7,695.90
Total .....	125,943.02

## FOREIGN SEED AND PLANT INTRODUCTION.

Date.	Name.	Nature of payment.	Total.
1900.			
July 31	Jared G. Smith et al .....	Salaries .....	\$715.00
Aug. 1	M. A. Carleton .....	Salary .....	303.30
11	Cheshire Manufacturing Co .....	Copper labels .....	5.62
	Walter T. Swingle .....	Traveling expenses .....	24.70
21	Anderson & Co .....	Foreign seeds .....	185.43
	Alex. Tacussal & Son .....	Grape cuttings .....	83.25
Sept. 4	Jared G. Smith et al .....	Salaries .....	699.20
7	M. A. Carleton .....	Salary .....	151.60
	Peter Henderson & Co .....	Wheat .....	52.20
	United States Envelope Co .....	Envelopes .....	13.80
15	Houghton & Delano .....	Mounts .....	.85
17	Peter Henderson & Co .....	Bulbs .....	105.00
	Max. Koch .....	Seeds .....	45.75
	Vilmorin, Andrieux & Co .....	Tobacco seeds .....	20.00
18	J. B. Davy .....	Chinese water chestnuts .....	2.50
24	Robt. Gair .....	Seed pockets .....	32.76
	The Geo. W. Knox Express Co .....	Transportation .....	1.25
	Vilmorin, Andrieux & Co .....	White lupine .....	67.79
29	Jared G. Smith et al .....	Salaries .....	681.60
	Total first quarter .....		3,191.60
Oct. 2	M. A. Carleton .....	Salary .....	73.37
	D. G. Fairchild .....	do .....	59.78
3	J. P. William & Bro .....	Seeds .....	24.33
4	United States Envelope Co .....	Envelopes .....	15.40
	W. W. Michaux .....	Wheat .....	10.30
5	Thos. Cook & Son .....	Passenger transportation .....	105.84
	Pennsylvania R. R. Co .....	do .....	10.00
9	J. Crawford .....	Rubber plant seeds .....	20.00
10	R. Carter Ballantyne .....	Tags .....	2.20
16	Ernest Betz .....	Mailing tubes .....	7.20
	D. Frank Parker .....	Typewriter paper .....	3.75
20	M. A. Carleton .....	Expenses .....	280.04
	R. Carter Ballantyne .....	Tags .....	3.70
30	Mackall Bros .....	Moth balls, etc. ....	2.25
	Postal Telegraph Cable Co .....	Cablegram .....	4.41
31	J. G. Smith et al .....	Salaries .....	480.47
Nov. 2	Library Bureau .....	Cards .....	21.60
	Vilmorin, Andrieux & Co .....	Wheat .....	39.60
	Western Union Telegraph Co .....	Telegraph service .....	33.21
3	W. T. Swingle .....	Salary .....	168.50
5	J. P. Williams & Bro .....	Tea seeds .....	58.40
12	M. A. Carleton .....	Traveling expenses .....	572.36
20	Edmund Manthner .....	Wheat, etc. ....	106.47
27	The George W. Knox Express Co .....	Transportation .....	51.19
	J. G. Smith .....	Traveling expenses .....	14.90
30	J. G. Smith et al .....	Salaries .....	395.26



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## FOREIGN SEED AND PLANT INTRODUCTION—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Dec. 1	Walter T. Swingle	Salary	\$163.00
3	United States Envelope Co.	Manila envelopes	7.70
14	Jas. R. Collins	Seed bags	31.70
	Chas. U. Shepard	Expenses	38.08
17	The Geo. W. Knox Express Co.	Transportation	323.82
18	Gustav Zulzer	Clover seeds	12.56
29	Trumbull & Beebe	Seeds	12.00
31	J. G. Smith et al.	Salaries	430.10
	Total second quarter		3,583.49
1901.			
Jan. 3	Chr. Lorenz	Seeds	2.45
4	W. T. Swingle	Salary	168.50
7	U. S. Express Co.	Transportation	38.62
18	Church & Stephenson	Lumber	22.43
21	D. G. Fairchild	Expenses	35.55
	United States Envelope Co.	Envelopes	45.15
26	Wm. R. Rupp, Agt.	do	4.25
31	J. G. Smith et al.	Salaries	569.33
Feb. 1	Vilmorin, Andrieux & Co.	Seeds	48.62
2	The Ball and Socket Manufacturing Co.	Labels	12.00
4	E. M. V. Proskowetz, jr.	Seeds	105.56
5	F. Sgaravatti	Seedless raisin grapes	40.53
	J. Colombo	Alfalfa seeds	6.76
11	Church & Stephenson	Lumber	3.60
13	Vilmorin, Andrieux & Co.	Seeds	5.16
20	M. A. Carleton	Expenses	7.00
23	Western Union Telegraph Co.	Telegraph service	10.86
26	Rudolph, West & Co.	Hinges	1.08
27	Adams Express Co.	Transportation	8.33
	do	do	13.17
28	J. G. Smith et al.	Salaries	507.54
Mar. 2	Edw. S. Schmidt	Moss	3.75
	Jas. R. Collins	Cotton-seed bags	62.77
13	J. G. Smith	Traveling expenses	55.35
14	R. Carter Ballantyne	Mimeograph and tags	17.20
	Church & Stephenson	Lumber	78.00
	The Geo. W. Knox Express Co.	Transportation	112.02
18	Vilmorin, Andrieux & Co.	Seeds	56.75
	Library Bureau	Cards	.48
	Aug. Rhotert	Custom-house charges	1.50
	Alfred Dale	Cotton seeds, etc.	20.02
	L. Boehmer & Co.	Japanese hemp	92.50
19	R. G. Shaw & Co.	Indian tea seeds	50.88
30	Ernst A. Bessey et al.	Salaries	529.61
	Total third quarter		2,737.32
Apr. 1	G. D. Brill	Salary	2,500.00
	Pennsylvania R. R. Co.	Passenger transportation	15.85
	Southern Pacific Co.	do	10.85
6	Jno. C. Parker	Letter books, etc.	11.50
12	Jas. R. Collins	Seed bags	113.19
20	Southern California Rwy. Co.	Transportation	40.02
22	Dammann & Co.	Wheat	45.60
	Houston and Texas Central R. R. Co.	Passenger transportation	4.95
27	United States Express Co.	Transportation	70.22
	do	do	10.55
	Adams Express Co.	do	12.88
29	G. D. Brill	Expenses	115.17
	Vilmorin, Andrieux & Co.	Seeds	.93
30	Ernst A. Bessey et al.	Salaries	567.00
May 2	J. P. Williams & Bros.	Tea seed	48.67
	Vilmorin, Andrieux & Co.	Seeds	28.76
3	The Chesapeake and Potomac Telephone Co.	Telephone rents	6.25
	United States Express Co.	Transportation	4.00
21	Paul Hiser, jr., & Bro.	Flower pots	66.00
27	International and Great Northern R. R. Co.	Passenger transportation	5.90
	The Texas and Pacific Rwy. Co.	do	19.15
	Southern Rwy. Co.	do	22.65
28	Western Union Telegraph Co.	Service	6.89
	do	do	2.71
	Blue Line Transfer Co.	Transportation	14.75
31	E. A. Bessey et al.	Salaries	541.00
June 7	C. S. Scofield	Services	85.20
15	Rudolph, West & Co.	Hardware	3.84
18	J. P. Williams & Bro.	Seeds	27.98
	T. Watase	do	125.00
	do	do	79.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## FOREIGN SEED AND PLANT INTRODUCTION—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
June 18	R. Carter Ballantyne.....	Tags.....	\$4.46
21	Western Union Telegraph Co.....	Service.....	1.99
22	J. E. Turton.....	Tags.....	9.00
25	Baltimore and Ohio R. R. Co.....	Passenger transportation.....	20.25
29	E. A. Bessey et al.....	Salaries.....	527.00
	Total fourth quarter.....		4,169.16
	<i>Supplemental.</i>		
July 5	W. T. Swingle.....	Traveling expenses.....	11.80
	C. S. Scofield.....	Salary.....	41.20
	Adams Express Co.....	Transportation.....	22.68
8	Vilmorin, Andrieux & Co.....	Seeds.....	4.05
	Rossier Freres et Soenn.....	Trees.....	28.95
	C. A. Nobelius.....	Apple trees.....	53.53
	F. Ferguson & Son.....	Fruit trees.....	16.39
	Hunter & Sons.....	do.....	18.12
13	The Geo. W. Knox Express Co.....	Transportation.....	117.64
16	T. Watase.....	Tea seed.....	100.00
19	United States Express Co.....	Transportation.....	151.01
30	Jno. C. Parker.....	Letter files.....	1.05
Aug. 2	Lindahls Frohandel.....	Seeds.....	4.69
	F. A. Tschiffely, jr.....	Carbon.....	2.50
9	Carl S. Scofield.....	Expenses.....	4.54
	do.....	Traveling expenses.....	31.57
20	United States Envelope Co.....	Envelopes.....	7.70
	do.....	do.....	13.80
21	Chesapeake and Potomac Telephone Co.....	Service.....	6.25
Oct. 2	William Jacobs Owen & Co.....	Seeds, etc.....	96.61
	R. F. Patterson.....	Freight charges.....	21.90
11	The Geo. W. Knox Express Co.....	Transportation.....	17.66
	Total.....		773.55

## RECAPITULATION.

First quarter.....	\$3,191.60
Second quarter.....	3,583.49
Third quarter.....	2,737.32
Fourth quarter.....	4,169.16
Supplemental.....	773.55
Total.....	14,455.12

## INVESTIGATING PRODUCTION OF DOMESTIC SUGAR.

Date.	Name.	Nature of payment.	Total.
1900.			
July 31	M. S. Chamberlin et al.....	Salaries.....	\$100.50
Aug. 11	Chas. F. Saylor.....	Salary.....	225.00
	do.....	Expenses.....	5.25
17	do.....	Traveling expenses.....	96.36
31	M. S. Chamberlin et al.....	Salaries.....	100.50
Sept. 7	J. P. Nawrath.....	Wax paper.....	73.50
18	Chas. F. Saylor.....	Expenses.....	4.35
	do.....	Salary.....	225.00
29	Geo. L. Spencer et al.....	Salaries.....	164.22
	Total first quarter.....		994.63
Oct. 5	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.....	Passenger transportation.....	6.55
9	Chas. F. Saylor.....	Salary.....	225.00
10	R. Carter Ballantyne.....	Tags.....	8.80
	Albert A. Denton.....	Salary.....	100.00
12	Chas. C. Van Horn.....	Weissbach mantles.....	3.00
16	Rudolph, West & Co.....	Tin cups.....	2.70
18	Chas. F. Saylor.....	Traveling expenses.....	95.93
	do.....	Expenses.....	21.75
30	National Electrical Supply Co.....	Pulley.....	1.70
31	G. L. Spencer et al.....	Salaries.....	235.30
Nov. 2	United States Envelope Co.....	Envelopes.....	9.00
	Elmer & Amend.....	Flasks.....	35.50

## 162 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## INVESTIGATING PRODUCTION OF DOMESTIC SUGAR—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Nov. 3	Chas. F. Saylor	Salary	\$225.00
22	do	Traveling expenses	98.32
do	do	Expenses	9.40
28	Albert A. Denton	Salary	100.00
30	G. L. Spencer et al	Salaries	229.40
Dec. 5	The Minnesota and St. Louis R. R. Co	Passenger transportation	8.92
do	Union Pacific R. R. Co	do	7.43
11	Chas. F. Saylor	Salary	225.00
14	United States Envelope Co.	Envelopes	23.10
19	E. E. Ewell	Traveling expenses	4.12
20	Jas. E. Collins	Seed bags	19.02
31	Geo. L. Spencer et al	Salaries	139.63
	Total second quarter		1,834.57
1901.			
Jan. 2	Chicago and Northwestern Rwy. Co	Passenger transportation	9.80
14	Chas. F. Saylor	Salary	225.00
do	do	Traveling expenses	124.53
do	do	Expenses	39.75
do	do	Traveling expenses	41.36
do	do	Expenses	17.80
do	Jas. B. Lambie	Leather belting	1.32
21	Elmer & Amend	Cover glasses, etc	6.40
31	M. S. Chamberlin et al	Salaries	101.70
Feb. 15	Chas. F. Saylor	Salary	225.00
do	do	Expenses	50.00
27	Chicago, Rock Island and Pacific Rwy. Co.	Passenger transportation	8.00
28	M. S. Chamberlin et al	Salaries	96.60
Mar. 11	Chas. F. Saylor	Traveling expenses	72.55
do	do	Salary	225.00
do	do	Traveling expenses	55.00
do	do	Expenses	50.00
18	Z. D. Gilman	Mailing cases	12.50
30	M. S. Chamberlin et al	Salaries	101.70
	Total third quarter		1,464.01
Apr. 2	Chas. F. Saylor	Salary	225.00
26	do	Traveling expenses	85.45
do	do	Expenses	30.00
30	M. S. Chamberlin et al	Salaries	99.50
May 2	Chas. F. Saylor	Salary	225.00
3	do	Expenses	7.50
do	do	Traveling expenses	93.42
31	M. S. Chamberlin et al	Salaries	101.00
June 4	Southern California Rwy. Co.	Passenger transportation	54.25
13	Chas. F. Saylor	Salary	225.00
do	do	Traveling expenses	97.37
do	do	Expenses	7.75
21	D. A. Herzfeld	Negative	97.58
28	H. W. Wiley	Traveling expenses	89.15
29	M. S. Chamberlin et al	Salaries	99.50
	Total fourth quarter		1,537.47
	Supplemental.		
July 19	Chas. F. Saylor	Salary	225.00
do	do	Traveling expenses	64.50
do	United States Express Co	Transportation	8.79
26	Baltimore and Ohio R. R. Co	Passenger transportation	12.95
do	Chicago, Burlington and Quincy R. R. Co	do	4.21
do	The Lake Shore and Michigan Southern Rwy. Co.	do	7.70
do	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	do	11.50
29	M. A. Scovelle	Raising beets	50.00
do	H. A. Huston	do	50.00
30	Jno. A. Widtsoe	do	50.00
do	R. H. Snow	do	50.00
do	W. B. Alwood	do	50.00
do	Jas. Atkinson	do	50.00
31	L. A. Clinton	do	50.00
Aug. 2	Chicago Great Western Rwy. Co.	Passenger transportation	8.00
19	Melville Lindsay	Rubber boots	3.50
28	W. H. Jordan	Raising beets	50.00
Oct. 5	Chicago and Northwestern Rwy. Co	Passenger transportation	8.54
do	Pennsylvania Co	do	17.50
	Total		772.19



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## RECAPITULATION.

First quarter .....	\$994.68
Second quarter .....	1,834.57
Third quarter .....	1,464.01
Fourth quarter .....	1,537.47
Supplemental .....	772.19
Total .....	6,602.92

## TEA-CULTURE INVESTIGATION.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 12	Chas. U. Shepard .....	Expenses .....	\$187.42
	Isaac Auld .....	Services .....	60.82
16	Rufus Knight .....	Lumber .....	23.27
18	O. C. Sires & Bro .....	Cement, etc. ....	14.65
	J. V. Brandt .....	Pipe .....	9.00
Nov. 12	do .....	Pipe, etc. ....	43.60
14	Marshall, Sons & Co. ....	Apparatus .....	1,006.03
22	Rumsey & Co .....	Plunger .....	6.05
	Hocking Valley Manufacturing Co .....	Coupling, etc. ....	6.85
	A. R. Tomlinson .....	Harness .....	30.00
	Wm. M. Bird & Co. ....	Oil, paint, etc. ....	14.21
	Marshall Wescoat & Co .....	Staples, etc. ....	3.16
	Chas. U. Shepard .....	Expenses .....	104.12
	do .....	do .....	37.50
	do .....	do .....	35.96
28	Isaac Auld .....	Hire of mules .....	10.85
	R. S. Long .....	Labor .....	16.25
Dec. 3	The Bailey Lebby Co. ....	Pipe, etc. ....	14.81
	do .....	do .....	39.76
14	Chas. U. Shepard .....	Expenses .....	125.42
29	The Bailey Lebby Co .....	Pipe, etc. ....	4.42
	Total second quarter .....		1,794.15
1901.			
Jan. 3	Chas. U. Shepard .....	Expenses .....	35.00
	Isaac Auld .....	Mule hire .....	22.05
	J. V. Brandt .....	Bricks, etc. ....	39.70
	A. W. Taylor .....	Brick .....	17.00
	W. B. Austin .....	Negatives .....	22.05
21	Isaac Auld .....	Mule hire .....	39.55
Feb. 1	Chas. U. Shepard .....	Expenses .....	105.00
12	R. S. Long .....	Labor .....	31.97
13	Chas. U. Shepard .....	Expenses .....	241.92
19	Southeastern Lime and Cement Co .....	Pipe .....	33.68
	Total third quarter .....		587.92
May 3	Chas. U. Shepard .....	Expenses .....	35.00
	Jno. F. Riley .....	Cutter for artesian well .....	44.67
	O. C. Sires & Bro .....	Lime .....	9.00
	Total fourth quarter .....		88.67

## RECAPITULATION.

Second quarter .....	\$1,794.15
Third quarter .....	587.92
Fourth quarter .....	88.67
Total .....	2,470.74

## TEA-CULTURE INVESTIGATIONS.

[Appropriation, 1900-1901.]

Date.	Name.	Nature of payment.	Total.
1900.			
July 25	A. J. Limehouse .....	Posts .....	\$45.50
Aug. 3	Rumsey & Co., Limited .....	2 horsepower, etc. ....	34.30
23	Chas. U. Shepard .....	Tea-garden experiments .....	16.80
	do .....	do .....	14.35
	W. B. Austin .....	Negatives .....	37.80
	A. J. Limehouse .....	Cedar posts .....	47.30

Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## TEA-CULTURE INVESTIGATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Aug. 23	Bessie E. Green .....	Chemical work .....	\$10.00
	Isaac Auld .....	Mule hire .....	21.70
	do .....	do .....	18.90
	O. C. Sires & Bro .....	Cement .....	22.50
29	Marshall Wescoat & Co .....	Cans .....	25.75
	Rufus Knight .....	Lumber .....	24.79
	do .....	do .....	47.77
	Jno. S. Horlbeck .....	Pipes .....	46.50
	A. W. Taylor .....	Bricks .....	25.12
Sept. 7	Jos. Wild & Co .....	Matting .....	468.00
15	Bessie E. Green .....	Services .....	8.00
	Isaac Auld .....	Services, mules .....	30.45
	Chas. U. Shepard .....	Expenses .....	148.21
17	The Bailey Lebby Co .....	Wire netting .....	166.80
	do .....	Tank .....	50.00
	A. W. Taylor .....	Bricks .....	15.00
21	Rufus Knight .....	Lumber .....	4.16
24	A. W. Taylor .....	Brick .....	22.50
	Total first quarter .....		1,352.20
Oct. 2	Hocking Valley Manufacturing Co .....	Arch stand, etc. ....	4.76
Nov. 22	Chas. U. Shepard .....	Tank material .....	6.60
24	Southern Rwy. Co .....	Transportation .....	36.49
	Total second quarter .....		47.85
1901.			
Feb. 19	Jno. F. Riley .....	Tea-withering machine .....	226.60
Mar. 11	Chas. U. Shepard .....	Expenses .....	262.05
	J. V. Brandt .....	Brick and clay .....	6.00
12	The Goulds Manufacturing Co .....	Iron horsepower .....	75.00
	Total third quarter .....		569.65
Apr. 12	The J. L. Mott Iron Works .....	Furnace .....	108.00
May 3	Chas. U. Shepard .....	Expenses .....	46.55
4	Southern Rwy. Co .....	Transportation .....	103.47
	Marshall, Sons & Co., Limited .....	Tea-sifting apparatus .....	260.96
	Total fourth quarter .....		518.98

## RECAPITULATION.

First quarter .....	\$2,352.20
Second quarter .....	47.85
Third quarter .....	569.65
Fourth quarter .....	518.98
Total .....	2,488.68

## WEATHER BUREAU—FUEL, LIGHTS, AND REPAIRS.

Date.	Name.	Nature of payment.	Total.
1900.			
July 31	Joshua Carey et al .....	Salaries .....	\$429.52
Aug. 31	do .....	do .....	463.80
Sept. 15	Seth Schell .....	Repairs to Weather Bureau building .....	12.00
	W. H. Butler .....	Paint .....	3.00
	Thos. R. Fowler .....	Hauling ashes .....	9.00
	Washington Gaslight Co .....	Gas .....	31.20
	Forsberg & Murray .....	Repairs to heating apparatus .....	89.00
	Wallace & Meuchine .....	Covering steam pipes .....	153.00
	Seth Schell .....	Repairs to heating apparatus .....	452.00
	National Electrical Supply Co .....	Plugs .....	1.80
	Jas. B. Lambie .....	Lawn mowers .....	12.36
20	Washington Gaslight Co .....	Gas .....	31.90
	Hugh Reilly .....	Window glass .....	5.49
30	Joshua Carey et al .....	Salaries .....	452.40
	Total first quarter .....		2,146.47
Oct. 1	Thos. R. Fowler .....	Hauling .....	5.75
	do .....	do .....	8.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—FUEL, LIGHTS, AND REPAIRS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 3	The E. F. Brooks Co	Globes and wicks	\$5.40
	The Cranford Paving Co.	Laying asphalt	138.25
6	W. H. Dyer	Slat doors	6.75
18	The Allegheny Co.	Coal	151.36
	Washington Gaslight Co.	Gas	33.30
30	Jno. Maury Dove	Charcoal	.20
	Thos. Somerville & Sons	Supplies	57.18
	do	do	17.69
	Instantaneous Fire Alarm Co.	Fire-alarm service	12.50
	Rudolph, West & Co	Metal ceiling	108.00
	Hugh Reilly	Glass	49.60
31	Joshua Carey et al	Salaries	423.80
Nov. 2	Thos. R. Fowler	Hauling ashes	6.75
23	Jno. Moran	Droplight	1.00
	do	Stoves, etc	49.00
	Wm. J. Zeh	Coal	8.09
	Forsberg & Murray	Driving belt	34.00
	Washington Gaslight Co.	Gas	35.70
30	Joshua Carey et al	Salaries	410.73
Dec. 3	P. Mann & Co	Bone dust	3.00
10	Thos. R. Fowler	Hauling	10.50
19	Jno. Moran	Stove	12.50
	Washington Gaslight Co.	Gas	41.40
	The Allegheny Co.	Coal	174.80
	do	do	34.99
31	Joshua Carey et al	Salaries	373.80
	Total second quarter		2,214.04
1901.			
Jan. 3	Johnson Brothers	Wood	2.85
	Jno. Moran	Welsbach burner	5.25
	The Allegheny	Coal	6.44
11	Thos. R. Fowler	Hauling rubbish	12.00
17	Wm. J. Zeh	Coal	10.54
	Johnson Brothers	Wood	5.70
	Washington Gaslight Co.	Gas	45.80
	Hugh Reilly	Light glass	1.47
	Jno. Moran	Repairs to gas stoves	6.75
	Wm. J. Zeh	Coal	4.93
29	Joshua Carey et al	Salaries	423.70
Feb. 9	Jno. Moran	Cover for sewer trap	5.00
	The Allegheny Co.	Coal	6.38
	Wm. J. Zeh	do	7.87
	The Allegheny Co.	do	332.57
18	Washington Gaslight Co.	Gas	48.20
23	Jno. Moran	Repairs to lighting apparatus	6.00
	do	Repairs to building	12.50
	The Allegheny Co.	Coal	168.73
29	Joshua Carey et al	Salaries	382.60
	Thos. R. Fowler	Hauling ashes	12.00
Mar. 6	Wm. J. Zeh	Coal	9.14
12	do	do	9.02
	Geo. F. Muth & Co.	Oil	1.60
22	Thos. Somerville & Sons	Pipe, etc	9.77
	do	Repairs to heater	3.10
	C. A. Muddiman & Co.	Wax tapers	.60
	Washington Gaslight Co.	Gas	45.70
	The Allegheny Co.	Coal	6.25
	do	do	167.65
30	Joshua Carey et al	Salaries	401.07
	Thos. R. Fowler	Hauling	15.00
	Total third quarter		2,176.18
Apr. 6	The Allegheny Co.	Coal	168.85
	National Electrical Supply Co.	Lamps	21.60
	M. Du Perow	Cut-outs	1.56
16	Washington Gaslight Co.	Gas	52.80
	P. Mann & Co.	Fertilizer	10.00
	National Electrical Supply Co.	Services	40.00
18	H. C. Roberts Electrical Supply Co.	do	.50
24	Wm. J. Zeh	Coal	5.71
30	Joshua Carey et al	Salaries	385.49
May 9	National Electrical Supply Co.	Wire	.54
	do	Compression cups	2.40
	Jno. Moran	Repairs to steam pipes	4.50
13	do	Wire gutter guards	5.00
23	Washington Gaslight Co.	Gas	46.90
	Hugh Reilly	Glass	1.70



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—FUEL, LIGHTS, AND REPAIRS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
May 23	Hugh Reilly .....	Glass .....	\$1.00
	The Allegheny Co.....	Coal .....	6.81
	do .....	do .....	167.83
	Jno. Moran .....	Repairing washstand .....	6.00
	Church & Stephenson .....	Wainscot copings .....	48.50
31	Thos. R. Fowler .....	Hauling ashes .....	10.00
	do .....	do .....	11.00
	Joshua Carey et al .....	Salaries .....	376.80
June 1	Church & Stephenson .....	Lumber .....	17.06
	Jas. B. Lambie .....	Bar of iron .....	.66
11	Chas. Becker .....	Berry's hard oil finish .....	7.15
	Thos. Somerville .....	Solder .....	1.70
18	Geo. F. Muth & Co. ....	Lead .....	5.95
29	Joshua Carey et al .....	Salaries .....	366.60
	Thos. R. Fowler .....	Hauling ashes .....	7.50
	Total fourth quarter .....		1,782.11
	Supplemental.		
July 1	S. S. Shedd & Bro.....	Supplies, gas fixtures .....	4.20
6	Hugh Reilly .....	Glass .....	1.25
	Washington Gaslight Co.....	Gas .....	40.49
	Jno. Moran .....	Repairing Welsbach light .....	1.60
	M. Du Perow .....	Springs .....	2.40
	The Allegheny Co.....	Coal .....	177.42
	Jno. Moran .....	Stationary washstand .....	35.00
	Washington Gaslight Co.....	Gas .....	41.60
31	Thos. R. Fowler .....	Hauling ashes .....	8.00
Aug. 6	Hugh Reilly .....	Whiting .....	.50
	do .....	Glass .....	.68
Sept. 13	Barber & Ross.....	Painting railing .....	158.40
27	The Allegheny Co.....	Coal .....	87.02
	Total .....		558.56

## RECAPITULATION.

First quarter .....	\$2,146.47
Second quarter .....	2,214.04
Third quarter .....	2,176.18
Fourth quarter .....	1,782.11
Supplemental .....	558.56
Total .....	8,877.36

## WEATHER BUREAU—CONTINGENT EXPENSES.

Date.	Name.	Nature of payment.	Total.
1900.			
July 18	Mary S. Hazen .....	Supplies .....	\$76.25
24	Postmaster, Washington, D. C .....	Postage stamps .....	517.00
25	Otis H. Miller & Bro .....	Services and material .....	83.00
	The Post-Office Department .....	Maps .....	40.80
Aug. 14	S. J. Meeks's Sons .....	Spring wagon, etc .....	145.00
16	S. P. Johnson .....	Caligraphs .....	139.50
Sept. 15	Geo. Meier & Co. ....	Bronze gold .....	3.75
	W. B. Moses & Sons .....	Office furniture .....	29.50
	Gustav Hartig .....	Bar pads, etc .....	37.70
	Wyckoff, Seamans & Benedict .....	Typewriter paper .....	31.50
	Louis Hartig .....	Nails .....	6.80
	Chas. Becker .....	Shellac, etc .....	31.40
	W. M. Galt & Co. ....	Forage .....	8.25
	The J. C. Ergood Co .....	Soap .....	80.00
	Adams Express Co .....	Transportation .....	9.10
	L. S. Depue .....	Forage .....	26.40
	Lucy H. Payne .....	Washing towels .....	10.25
	Jno. C. Parker .....	Letterpresses, etc .....	53.94
	N. Humphrey .....	Castors .....	3.90
	Wm. T. Baldus .....	Phosphorus paste .....	3.00
	B. B. Ernschaw & Bro .....	Rye straw, middlings, etc .....	12.05
	Jas. B. Lambie .....	Soap, etc .....	15.48
	W. M. Galt & Co. ....	Hay .....	12.37
	Capital Traction Co.....	Street-car tickets .....	20.00
	do .....	do .....	20.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Sept. 20	Richard L. Lamb .....	Numbering machine .....	\$9.80
	L. S. Depue .....	Forage .....	13.20
	American Ice Co .....	Ice .....	25.96
	Thos. Somerville & Sons .....	Cement .....	4.25
	Rudolph, West & Co .....	Screws .....	29.46
24	Manhattan Electric Supply Co .....	Rubber tubing .....	5.50
25	American Ice Co .....	Ice .....	29.00
	Total first quarter .....		1,594.11
Oct. 1	Jno. C. Parker .....	Voucher boxes .....	15.00
	Lucy H. Payne .....	Washing towels .....	10.48
3	Albert Kahlert & Co .....	Storage and cleaning carpets .....	2.81
	do .....	do .....	1.03
	The Andrew J. Joyce Carriage Co .....	Repairing carriage .....	41.25
	W. G. Duckett .....	Medicine for horses .....	2.85
	do .....	Santizone .....	5.00
	Smith Premier Typewriter Co .....	Repairs to typewriter .....	5.25
	Jno. Moran .....	Water well .....	2.50
	J. T. Walker Sons .....	Lime .....	.75
	Church & Stephenson .....	Lumber .....	399.84
	J. T. Thomson .....	Embossing .....	18.00
	S. J. Meeks's Sons .....	Repairs to wagon .....	15.50
	Chas. Becker .....	Red lead .....	2.40
	Z. D. Gilman .....	Borax .....	.60
	L. S. Depue .....	Forage .....	13.20
4	The Chesapeake Electric Co .....	Sockets .....	3.50
6	B. B. Ernschaw & Bro .....	Rye straw .....	8.21
	The Morris Joyce Engraving Co .....	Photo plates .....	34.35
	Jas. B. Lambie .....	Drills, handles, etc .....	6.01
	W. M. Galt & Co .....	Hay .....	12.37
	M. Du Perow .....	Fan motors, etc .....	156.81
	Jno. C. Parker .....	Paper .....	239.00
	The Andrew J. Joyce Carriage Co .....	Rubber tires .....	55.00
18	Acme Repair and Bicycle Co .....	Repairing bicycle .....	6.25
	Hugh Reilly .....	Umber, etc .....	1.40
	Geo. F. Muth & Co .....	Paper .....	29.89
	do .....	White lead, etc .....	41.11
	National Electrical Supply Co .....	Desks, fans, etc .....	3.31
	W. B. Moses & Sons .....	Water coolers, etc .....	28.40
19	Lucy H. Payne .....	Towel service .....	9.41
26	G. E. Stechert .....	Book .....	1.15
	Wm. Murray & Son .....	Roach poison .....	7.50
30	W. M. Galt & Co .....	Forage .....	8.25
	J. T. Walker & Sons .....	Lime .....	.75
	The Smith Premier Typewriter Co .....	Repairs to typewriters .....	2.70
	Dulin & Martin Co .....	Cuspidors .....	3.60
	L. S. Depue .....	Forage .....	13.20
	do .....	do .....	13.20
	Thos. Somerville & Sons .....	Iron .....	29.18
	Wyckoff, Seamans & Benedict .....	Repairing typewriter .....	17.35
	R. Carter Ballantyne .....	Files .....	11.50
	Wm. Ballantyne & Sons .....	Dictionaries .....	19.60
	United States Express Co .....	Transportation .....	6.00
	American Ice Co .....	Ice .....	24.75
	C. Schneider's Sons .....	Repairing speaking tube .....	5.00
	Rudolph, West & Co .....	Supplies .....	51.19
	do .....	Harness, brushes, etc .....	7.20
	E. J. Pullman .....	Supplies .....	7.20
	Lutz & Co .....	Repairing harness .....	24.75
	Hugh Reilly .....	Supplies .....	83.65
Nov. 19	G. W. Mason .....	Rubber bumpers .....	4.00
	Jas. K. Probey .....	Repairs to wagon .....	38.50
	The Burnet Co .....	Nungesser batteries .....	21.00
22	H. C. Roberts Electric Supply Co .....	Supplies .....	8.25
23	Hugh Reilly .....	Paint and brushes .....	44.15
	do .....	Glass .....	4.97
	The Chesapeake & Potomac Telephone Co .....	Telephone service .....	35.00
	do .....	do .....	19.57
	Jno. C. Parker .....	Inkstands, etc .....	20.16
	Geo. F. Muth & Co .....	White lead, etc .....	56.53
	Houghton & Delano .....	Unmounted prints .....	1.04
	Fred. A. Schmidt .....	Blue paper .....	8.85
	Church & Stephenson .....	Lumber .....	139.06
	The Smith Premier Typewriter Co .....	Repairs to typewriter .....	5.70
	B. B. Ernschaw & Bro .....	Forage .....	3.74
	W. B. Moses & Sons .....	Furniture .....	93.12
	Jas. B. Lambie .....	Stepladder .....	1.25
	Capital Traction Co .....	Car tickets .....	20.00
	J. Baumgarten & Son .....	Stamps .....	9.36

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Nov. 23	J. Baumgarten & Sons .....	Rubber stamps.....	\$2.65
	do .....	do .....	1.19
	do .....	do .....	3.02
	B. B. Ernschaw & Bro .....	Forage .....	5.29
	W. M. Galt & Co .....	do .....	8.25
	Geo. F. Muth & Co .....	Pumice stone .....	1.25
	The Maurice Joyce Engraving Co .....	Photoengraving plate .....	10.00
	Lutz & Co .....	Lines and saddle pads .....	5.00
	Literary Bureau .....	Catalogue cards .....	20.20
	Jas. B. Lambie .....	Carpet sweeper .....	3.00
	Woodruff Manufacturing Co .....	File crates .....	70.00
	J. T. Thomson .....	Embossing envelopes .....	5.40
	Clark & Davenport .....	Carpets, etc. ....	113.60
	do .....	do .....	111.97
	Wm. H. Kaiser .....	Earthen jars .....	6.75
	R. Carter Ballantyne .....	Labels .....	1.90
	Jas. K. Probey .....	Harness .....	30.00
26	Jno. C. Parker .....	Paper .....	289.19
	do .....	Fountain pen .....	5.00
30	M. P. Bush .....	Soap .....	3.00
Dec. 3	Jno. C. Parker .....	Fountain pen, etc .....	7.00
	Lutz & Co .....	Halters, etc. ....	4.75
	J. Baumgarten & Sons .....	Rubber stamps .....	25.06
	Lucy H. Payne .....	Washing towels .....	10.55
	W. B. Moses & Sons .....	Leather seats .....	12.00
4	Julien P. Friez .....	Brass ring casting .....	2.80
10	Hutton & Hilton .....	Listerine .....	8.00
	Fred A. Schmidt .....	Celluloid .....	.75
	The Maurice Joyce Engraving Co .....	Photo engravings .....	4.25
11	India Alkali Works .....	House savogran .....	12.00
14	Lutz & Co .....	Repairing harness .....	1.25
	Leidy S. Depue .....	Forage .....	13.20
	Hugh Reilly .....	Paint, etc .....	7.60
	Jno. C. Parker .....	Stamp cabinet and stamp .....	14.50
	do .....	Rubber stripes for typewriter .....	.50
	W. B. Moses & Sons .....	Repairing chair .....	1.00
	do .....	Shades and repairing chair .....	19.50
17	Geo. Meier & Co .....	Liquid bronze .....	1.25
19	Chas. D. Jenkins .....	Map rack .....	55.00
	Lucy H. Payne .....	Washing towels .....	10.63
	Geo. F. Muth & Co .....	Oil .....	1.60
	James B. Lambie .....	Iron plates .....	5.00
	Wm. H. Kaiser .....	Earthen jars .....	9.53
	Mackall Bros .....	Soap .....	1.20
	Lutz & Co .....	Horse blanket .....	6.00
	Wm. M. Galt & Co .....	Forage .....	12.37
	Leidy S. Depue .....	do .....	13.20
	J. Baumgarten & Sons .....	Rubber stamps .....	1.45
	Total second quarter .....		3,001.45
1901.			
Jan. 3	United States Express Co .....	Transportation .....	5.45
	do .....	do .....	1.10
	do .....	do .....	5.95
	American Ice Co .....	Ice .....	37.00
	W. G. Duckett .....	Arnica, etc. ....	3.50
	Wyckoff, Seamans & Benedict .....	Repairs to typewriter .....	13.50
	Capital Traction Co .....	Car tickets .....	20.00
	J. T. Walker Sons .....	Lime .....	.75
	W. B. Moses & Sons .....	Stools .....	4.76
	do .....	Water cooler .....	6.50
	Jno. Moran .....	Wagon jack .....	6.00
	Church & Stephenson .....	Lumber .....	75.00
	Jas. B. Lambie .....	Gears .....	4.77
	do .....	Rope, etc .....	10.22
5	Tengwall File and Ledger Co .....	Transfer file .....	1.25
11	Lucy H. Payne .....	Washing towels .....	10.05
17	Houghton & Delano .....	Paper .....	.75
	Leidy S. Depue .....	Forage .....	15.70
	B. B. Earnshaw & Bro .....	Straw .....	3.87
	Jno. Moran .....	Repairing speaking tube .....	1.50
	S. J. Meeks's Sons .....	Repairing wagon .....	24.00
	Geo. F. Muth & Co .....	Kalsomine .....	1.37
	Jas. B. Lambie .....	Screw hooks .....	4.97
	do .....	Wire brushes .....	1.40
	do .....	Iron plates .....	3.50
	do .....	Shovels, etc. ....	3.76
	do .....	Keys .....	4.50
	Albert Kahlert & Co .....	Repairing carpet .....	7.63



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Jan. 17	Wyckoff, Seamans & Benedict .....	Repairing typewriter .....	\$1.16
	Jno. C. Parker .....	Disc seals .....	1.00
	do .....	Paper .....	5.50
	W. B. Moses & Sons .....	Water-cooler stand .....	1.60
	do .....	Linoleum .....	63.45
	do .....	Window shades .....	31.96
	do .....	Chair .....	5.00
	J. Baumgarten & Sons .....	Frames .....	2.50
	do .....	Rubber stamps .....	3.90
	Adams Express Co .....	Transportation .....	7.05
29	Lutz & Co. ....	Horse cover .....	4.00
	Capital Traction Co .....	Car tickets .....	20.00
	American Ice Co. ....	Ice .....	14.83
	W. B. Moses & Sons .....	Window shades .....	4.40
	James B. Lambie .....	Pipe, solder, etc .....	2.19
	Jno. C. Parker .....	Washington Directories .....	15.00
Feb. 7	Clark & Davenport .....	Carpets, etc. ....	281.90
	do .....	Altering carpets .....	25.00
9	Albert Kahrlt & Co .....	Cleaning carpets, etc .....	1.80
	Louis Hartig .....	Ice pads .....	35.00
	do .....	Horseshoes .....	12.75
	N. Humphrey .....	Castors .....	3.57
	The Chesapeake and Potomac Telephone Co .....	Telephone rent .....	35.00
	do .....	do .....	20.00
	W. M. Galt & Co .....	Forage .....	12.37
	Woodward & Lothrop .....	Needles .....	1.20
	J. Baumgarten & Sons .....	Rubber stamps .....	2.00
	do .....	do .....	1.60
	Jno. C. Parker .....	Stamp box .....	2.00
	The Smith Premier Typewriter Co. ....	Repairing typewriter .....	6.00
	Footo, Pierson & Co. ....	Supplies for telegraph .....	7.50
18	Jno. C. Parker .....	Staple binders .....	7.20
	B. B. Earnshaw & Bro. ....	Straw .....	8.17
	L. S. Depue .....	Oats .....	13.20
	Jas. B. Lambie .....	Nails .....	12.20
	Clark & Davenport .....	Rug fasteners .....	.75
	Smithsonian Institution .....	Transportation exchanges .....	152.21
	United States Express Co .....	do .....	5.10
	do .....	do .....	3.50
23	Tengwall File and Ledger Co .....	File .....	1.88
	J. Baumgarten & Sons .....	Repairs to stamp .....	1.00
	Jas. B. Lambie .....	Wrenches .....	2.50
	Fred. A. Schmidt .....	Making charts .....	.70
	do .....	Millimeter paper .....	2.40
26	Burrelle's Press Clipping Bureau .....	Press clippings .....	285.94
28	Lucy H. Payne .....	Washing towels .....	10.25
	Acme Repair and Bicycle Co .....	Repairs to bicycle .....	.50
Mar. 6	The Smith Premier Typewriter Co .....	Repairs to typewriter .....	2.00
	Capital Traction Co .....	Car tickets .....	20.00
	W. M. Galt & Co .....	Forage .....	12.37
	W. G. Duckett .....	Medicine for horses .....	4.70
	L. S. Depue .....	Forage .....	15.70
	American Ice Co .....	Ice .....	13.72
	W. B. Moses & Sons .....	Repairing chairs .....	13.85
	Rudolph, West & Co .....	Hinges, bolts, etc .....	6.63
	J. Baumgarten & Sons .....	Rubber stamps .....	2.86
12	Jas. B. Lambie .....	Dado plans, etc .....	3.20
	Clark & Davenport .....	Rug fasteners .....	4.50
	United States Express Co .....	Transportation .....	5.60
14	Burrelle's Press Clipping Bureau .....	Press clippings .....	40.84
	G. E. Stechert .....	Books .....	68.06
22	Ameritan Ice Co .....	Ice .....	11.68
	L. S. Depue .....	Oats .....	13.20
	The Chesapeake and Potomac Telephone Co .....	Moving telephone .....	1.80
	Lutz & Co .....	Horsewhips .....	4.00
	do .....	Repairs to harness .....	3.75
26	The A. J. Joyce Carriage Co .....	Repairs to carriages .....	39.45
	W. B. Moses & Sons .....	Repairs to furniture, etc .....	2.75
30	Lucy H. Payne .....	Washing towels .....	10.50
	Total third quarter .....		1,718.64
Apr. 6	J. Baumgarten & Sons .....	Repairing dating stamps .....	1.25
	Capital Traction Co .....	Car tickets .....	20.00
	C. Becker .....	Harness dressing .....	1.50
	Wyckoff, Seamans & Benedict .....	Repairing typewriter .....	.70
	Geo. F. Muth & Co .....	Kalsomine .....	2.20
	Lutz & Co .....	Materials and repairing carriage, etc. ....	14.75
	do .....	Repairs to harness .....	4.25

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Apr. 16	Albert Kahlert & Co.....	Repairs to carpet .....	\$3.78
	W. M. Galt & Co.....	Forage .....	12.37
	B. B. Earnshaw & Bro.....	do .....	3.56
	Jas. B. Lambie .....	Door lock .....	.75
24	Louis Hartig .....	Horseshoe nails, etc.....	15.27
	Wyckoff, Seamans & Benedict	Repairs to typewriter .....	14.10
	Lutz & Co .....	Repairs to harness .....	.75
	do .....	Lap robe for carriage .....	22.50
	American Ice Co.....	Ice .....	15.50
May 2	R. Carter Ballantyne.....	Rubber pads .....	3.75
	Rudolph, West & Co .....	Lock .....	1.00
	Jno. C. Parker .....	Japanese paper .....	10.00
	W. B. Moses & Sons .....	Repairs to furniture .....	42.50
	The Chesapeake and Potomac Telephone Co	Telephone rent .....	20.00
	do .....	do .....	35.00
3	The Okonite Co .....	Copper wire .....	5.00
9	Capital Traction Co .....	Street-car tickets .....	20.00
	Jas. B. Lambie .....	Screws, bolts, etc.....	3.00
	Wm. G. Duckett .....	Horse medicine .....	7.50
13	Jno. Moran .....	Iron pan .....	3.00
	The Chesapeake and Potomac Telephone Co	Service .....	1.50
	The Smith Premier Typewriter Co.....	Repairs to typewriter .....	6.00
	L. S. Depue .....	Forage .....	30.55
	Adams Express Co.....	Transportation .....	12.81
	do .....	do .....	3.40
	do .....	do .....	11.30
	do .....	do .....	3.35
	do .....	do .....	6.51
	United States Express Co .....	do .....	6.91
	do .....	do .....	24.81
23	Adams Express Co.....	do .....	3.40
	Z. D. Gilman .....	Filtering tubes .....	12.00
	Church & Stephenson .....	Lumber .....	5.76
	American Ice Co .....	Ice .....	16.78
	W. M. Galt & Co .....	Forage .....	12.37
	B. B. Earnshaw & Bro.....	do .....	3.61
	do .....	do .....	3.52
	Geo. F. Muth & Co.....	Japan liquid .....	2.00
	Lutz & Co .....	Repairing harness .....	3.60
	James B. Lambie .....	Rope .....	2.94
25	Postmaster, Washington, D. C.....	Postage stamps .....	175.00
31	Burrelle's Press Clipping Bureau .....	Press clippings .....	11.46
	G. E. Stechert .....	Publications .....	113.65
	Lucy H. Payne .....	Washing towels .....	10.48
	do .....	do .....	10.56
June 1	The Maurice Joyce Engraving Co.....	Repairing engravings of electrotypes.	6.25
	Wyckoff, Seamans & Benedict .....	Repairing typewriter .....	2.55
	Jno. C. Parker .....	Tablet paper .....	1.35
11	Jas. K. Probey .....	Carriage pole .....	16.00
	Capital Traction Co .....	Car tickets .....	20.00
	M. Silverberg & Co.....	Glass frame for maps .....	5.50
	C. Becker .....	Hoof dressing .....	1.90
	Library Bureau .....	Cards .....	4.50
	L. S. Depue .....	Oats .....	13.20
	Geo. F. Muth & Co.....	Papers .....	1.08
	Chas. A. Ross .....	Photo negative .....	2.50
	Lutz & Co .....	Repairs to harness .....	2.50
18	American Ice Co .....	Ice .....	17.96
29	Lucy H. Payne .....	Washing towels .....	11.73
	Total fourth quarter.....		885.25
	<i>Supplemental.</i>		
July 1	L. S. Depue .....	Forage .....	13.20
	W. G. Duckett .....	Medicine for horses .....	1.50
	B. B. Earnshaw & Bro.....	Forage .....	5.80
	W. M. Galt & Co .....	Hay .....	8.34
2	National Rwy. Publishing Co.....	Railway guide .....	5.00
6	United States Express Co .....	Transportation .....	10.65
	J. Baumgarten & Sons .....	Rubber stamps .....	.40
	do .....	do .....	1.10
	J. E. Shaw .....	Repairs on bicycle .....	3.00
	S. J. Meeks' Sons .....	Spring clips .....	6.00
18	W. B. Moses & Sons.....	Awnings .....	38.02
	Lutz & Co .....	Harness .....	150.00
31	Lucy Payne .....	Washing towels .....	9.87
Aug. 6	The J. C. Ergood Co .....	Bell's Star cleaner .....	.84
	Library Bureau .....	Cards .....	6.88
22	Jno. Hanson .....	Repairing clocks .....	6.50

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—CONTINGENT EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Aug. 26	Smithsonian Institution .....	Transportation of exchanges ..	\$102.56
Sept. 6	Carl Voelker .....	Advertising .....	1.65
	Daily Union Printing Co .....	do .....	3.00
13	The Chesapeake and Potomac Telephone Co. ....	Rent .....	20.00
	do .....	do .....	35.00
	Albert Kahlert & Co .....	Cleaning carpets, etc .....	15.35
	American Ice Co .....	Ice .....	22.88
23	The Marine Review Publishing Co .....	Marine Review .....	3.00
	Total .....		469.52

## RECAPITULATION.

First quarter .....	\$1,534.11
Second quarter .....	3,001.45
Third quarter .....	1,718.64
Fourth quarter .....	885.25
Supplemental .....	469.52
Total .....	7,608.97

## WEATHER BUREAU—GENERAL EXPENSES.

Date.	Name.	Nature of payment.	Total.
1900.			
July 25	Willis L. Moore .....	Traveling expenses .....	\$51.00
	Sophia A. Beuter .....	do .....	27.75
26	Orris W. Roberts .....	do .....	12.25
	W. T. Blythe .....	do .....	8.65
	A. J. Davis .....	do .....	13.50
	Harry B. Nichols .....	do .....	75
31	W. F. R. Phillips et al .....	Salaries .....	277.90
	B. F. Larcombe et al .....	do .....	2,740.83
Aug. 2	Norman B. Conger .....	Traveling expenses .....	70.80
	Matt Borland .....	Shelving .....	5.00
	H. Rasmussen & Co .....	Chairs .....	6.00
	Wm. E. Donaldson .....	Traveling expenses .....	15.10
4	F. H. Brandenberg .....	Office expenses .....	28.50
	David R. Morris .....	Traveling expenses .....	10.15
	Ray C. Johnson .....	do .....	6.75
	O. O. Scott .....	Services .....	3.00
	E. D. Beattie .....	Printing monthly bulletins .....	36.00
	University of Tennessee .....	Electric arc lamps, etc .....	200.00
6	Geo. W. Felger .....	Traveling expenses .....	6.75
	F. G. Tingley .....	do .....	8.35
8	R. P. Clarke Co .....	Towels, etc .....	440.55
13	Julien P. Friez .....	Supplies for shipment .....	3,866.75
	W. H. Fallon .....	Traveling expenses .....	15.75
	Chas. A. Hyle .....	do .....	33.50
	Gideon S. Jones .....	do .....	7.25
	Alf. H. Thiessen .....	do .....	3.00
14	D. Frank Parker .....	Stationery .....	2,217.50
	John C. Parker .....	Neostyle printing frames .....	200.00
16	S. P. Johnson .....	10 caligraphs .....	697.50
17	J. W. Jordan & Co .....	Rollers .....	35.00
21	Crosby Transportation Co .....	Passenger transportation .....	3.00
	Young & Wooton .....	Awnings .....	7.00
	C. Berbusse .....	Repairing chairs .....	5.00
	King Hardware Co .....	Screw-drivers, etc .....	5.65
	Grambs Bros .....	Rubber hose .....	18.00
	The Globe Wernicke Co .....	Guides .....	34.03
	Denver Type Foundry Co .....	Staple case, etc .....	.90
	Treman King Co .....	Water cooler .....	3.50
	A. H. Sweet .....	Cleaning clock .....	1.00
	H. W. Slaughter .....	Cleaning office .....	5.00
	R. T. Butler .....	Painting instrument shelters .....	6.00
	J. J. Letson .....	Repairing instrument shelters .....	19.60
	J. O. Wheaton & Co .....	Frames .....	6.00
	Eureka Blotter Bath Co .....	Supplies .....	6.75
	Nusbaum Book and Art Co .....	Framing charts .....	6.23
	A. L. Davis .....	Water cooler .....	3.00
	H. C. Breeden Co .....	Office stools .....	6.50
	M. N. Hunt .....	Window glass, etc .....	2.35



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Aug. 21	Edw. J. Smith	Repairs to register	\$0.75
	K. R. Lau	Repairs to office roof	7.05
	G. Carlson	Services	2.00
	Davenport & Thacher	Window shades	1.50
	J. A. Faulkner	Cylinder	1.40
	Jno. Shoemaker	Services and material	1.00
	Edwd. Kilborn	do	4.00
	C. C. Smith	Repairing office furniture	35.00
	J. W. Welch	Repairing instrument shelter	2.50
	Jno. R. Wyss	Repairing office furniture	9.50
	Jno. Jordt	Shades	10.00
	M. J. Walsh	Installation of electric call bell	6.10
24	J. Baumgarten & Sons	Logotype outfits	689.62
25	The Post-Office Department	Maps	88.60
31	W. F. R. Phillips et al	Salaries	266.90
	B. F. Larcombe et al	do	2,686.49
Sept. 12	Willis L. Moore	Traveling expenses	39.00
15	Pay roll, New York, N. Y.	Substation salaries	40.00
	Jno. C. Parker	Copying and desk pads	104.10
	do	Paper	1,145.85
	do	Stationery for shipment	767.33
	Jno. H. Carter	Repairing clock	3.00
	Henry Wood	Services	2.40
	Wm. Roche	Navy batteries	7.20
	Forsberg & Murray	Repairs to machinery	113.00
	J. R. Stephens	Crating file case, etc	5.00
	Elsie Roller Composition Co.	Casting rollers	2.70
	The Ohio Moulding Manufacturing Co.	Frames to charts	12.22
	Clark & Davenport	Carpets, making and lining	428.23
	R. P. Clarke Co.	Sheeting, etc	74.65
	do	Cotton batting	12.60
	J. C. Entwistle	Engraving	7.50
	W. B. Moses & Sons	Water coolers, etc	8.64
	do	Furniture for shipment	480.80
	W. P. Fuller & Co.	Mucilage, ink, etc	3.50
	A. R. Taylor & Co.	Repairs to typewriter	1.50
	Wyckoff, Seamans & Benedict	do	2.25
	Richd. L. Lamb	Pads	137.75
	E. Morrison Paper Co.	Paper	8.00
	The J. C. Ergood Co.	Fly paper	3.20
	Geo. F. Muth & Co.	Lanterns, lamps, etc	148.13
	Fred A. Schmidt	Milliographs, etc	196.70
	Z. D. Gilman	Bottles	3.75
	Standard Oil Co.	Benzine	6.76
	The J. K. Gill Co.	Dictionary	15.00
	F. H. Lovell & Co.	Clocks	126.94
	Robt. L. Moore	Laying carpet	2.00
	H. H. Hill	Repairing river gauge	8.00
	Thayer & Jackson Stationery Co.	Binding	21.50
	The City and Suburban Telephone Co.	Telephone extension instrument.	5.00
	Henry Buckmann	Wood	40.00
	S. A. D. Keister	Ink and mucilage	3.25
	A. Fair Service Co.	Oil, ink, and brooms	16.50
	Beig & Rood	Oil, ink, and mucilage	3.95
	A. M. Kaufman & Co.	Ink	2.00
	Fred Albright	Wood, oil, etc	52.20
	Mack Wellman	Varnish paint	3.25
	Alabama Great Southern R. R. Co.	Passenger transportation	4.30
	do	do	3.72
	Southern Rwy. Co.	do	2.40
	Peoria, Decatur and Evansville Rwy. Co.	do	11.40
	Crosby Transportation Co.	do	2.75
	Narragansett Pier R. R. Co.	do	7.42
	New York, New Haven and Hartford R. R. Co.	do	4.35
	Pennsylvania R. R. Co.	do	63.99
	do	do	28.75
	Delaware, Lackawanna and Western R. R. Co.	do	6.07
	Boston and Maine R. R. Co.	do	12.20
	Detroit and Mackinac Rwy. Co.	do	7.14
	Adams Express Co.	Transportation	25.29
	Wm. L. Beldin	Traveling expenses	11.25
	L. C. Cover	do	24.47
	Chas. A. Hyle	do	13.20
	D. A. Seeley	do	8.75
	T. F. Townsend	do	2.90
	Geo. M. Chappel	do	1.95
	Henry J. Cox	do	12.50

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900. Sept. 15	Hugo Legler.....	Traveling expenses.....	\$18.50
	Chas. B. Tuch.....	do.....	14.15
	Jas. Berry.....	do.....	3.00
	C. A. Mueller.....	do.....	11.50
	F. H. Brandenburg.....	do.....	23.90
	H. E. Wilkinson.....	do.....	28.05
	C. J. Doherty.....	do.....	5.25
	J. W. Smith.....	do.....	3.85
	Jno. R. Glenn.....	do.....	1.25
	R. A. Fessenden.....	Office expenses.....	27.25
	Frank W. Very.....	do.....	31.00
	Wm. E. Donaldson.....	do.....	5.00
	Jos. P. Bolton.....	do.....	20.50
	A. H. Thiessen.....	do.....	28.75
	J. W. Smith.....	do.....	4.90
	H. A. McNally.....	do.....	1.10
	N. B. Conger.....	Traveling expenses.....	12.75
	Jno. R. Weeks.....	do.....	20.50
	Geo. G. Harkness.....	do.....	6.50
	R. B. Harkness.....	do.....	11.25
	Jas. W. Tanner.....	Services.....	1.40
	Pay roll, Des Moines, Iowa.....	Substation salaries.....	3.60
	G. Carlson.....	Repairing instrument shelters.....	3.65
	D. F. Flood.....	Repairing rain gauges.....	4.00
	F. M. McKeough.....	Recasting rollers.....	3.00
	Julien P. Friez.....	Wind vane, etc., for shipment.....	1,884.50
	do.....	do.....	1,588.50
	A. L. Cook.....	Ink, etc.....	2.75
	The Globe Wernicke Co.....	Printed cards, etc.....	9.90
	Henry J. Cardy.....	Painting instrument.....	4.50
	The Smith-Premier Typewriter Co.....	Repairs to typewriters.....	2.00
	A. S. Hutchinson.....	Repairs to office chairs.....	1.00
	Economy Typewriter Supplies Co.....	Repairs to typewriters.....	5.00
	Wm. Aris.....	Services.....	5.00
	C. S. Braisted.....	Pencils, etc.....	70.31
	J. B. Shannon & Sons.....	Brass chair, etc.....	5.00
	W. N. Williams.....	Table.....	9.00
	M. J. Healy.....	Repairing instrument shelter.....	10.00
	E. J. Shattuck & Co.....	Printing ink.....	2.50
	Jno. F. McLean.....	Oil, ink, etc.....	9.00
	A. P. Ritz.....	Renovating carpet, etc.....	7.50
	D. P. Fisher.....	Painting instrument shelter.....	10.00
	R. E. Dann.....	Printing crop bulletins.....	12.50
	H. W. Norton.....	Rubber stamps.....	4.90
	H. George & Son.....	Repairs to office case.....	3.50
	McGraw & Co.....	Cleaning carpet, etc.....	12.29
	A. Jennings.....	Laying carpet.....	2.25
	Thayer & Jackson Stationery Co.....	Carbon paper.....	4.00
	The Stafford Drug Co.....	Oil, ink, etc.....	4.85
	L. R. Duke.....	Repairing instrument shelter.....	5.00
	Henry Haffner.....	Moving printing press, etc.....	37.00
	Cleveland Carpet Cleaning Co.....	Cleaning carpet.....	8.00
	Alex. H. Revell & Co.....	Shelves.....	5.25
	L. A. Cobb.....	Repairing clock.....	1.00
	E. A. Folsom.....	Repairing meteorological equip- ment.....	5.25
	C. E. Johnson.....	Wood.....	24.00
	Patterson Transfer Co.....	Hauling.....	1.00
	E. Sephton.....	Building board walk.....	10.00
	W. H. Simpson.....	Painting instrument shelters.....	10.00
	Flint & Walling Manufacturing Co.....	Signal towers, etc.....	4,298.20
	Jno. H. Erb.....	Frames.....	31.20
	R. A. Williamson.....	Printing crop bulletins.....	17.50
	Jno. S. Pinney.....	Gothic type.....	5.40
	A. B. Bean & Co.....	Oil, etc.....	1.75
	R. B. Smith.....	Gasoline.....	.90
	Jas. R. Hobbs.....	Use of team.....	3.75
	W. W. Best.....	Repairing telegraph lines.....	2.25
	Wm. McGrath.....	Drayage.....	3.50
	Fort Smith and Van Buren Light and Transit Co.....	Electric fan.....	25.00
	Pan Telephone Co.....	Rent of telephone.....	2.00
	J. W. Dayton.....	Wringer, etc., for copying.....	8.75
	J. Schimelpfering.....	Window curtains.....	7.00
	Erie Art Store.....	Frames.....	5.00
	Chamberlain & Taylor.....	Ink.....	7.00
	Harry C. Dougherty.....	Painting instrument shelter.....	20.00
	Edw. Hunter & Co.....	Laying carpet.....	5.00
	Claude L. Friel.....	Painting instrument shelter.....	13.75
	Geo. H. Godfrey.....	Laying carpet.....	1.92

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Sept. 15	A. Osander & Sons	Painting instrument shelter	\$9.00
	Julius Andrae & Sons Co	Services	2.00
	Price Bros	Painting instrument shelter	8.00
	Bennett Printing House	Printing crop bulletin	20.00
	Northwestern Fixture Co	Insulators	44.00
	W. H. Bonhart	Removing office, etc.	70.00
18	D. T. Maring	Traveling expenses	21.10
	H. E. Williams	do	23.45
	Edgar B. Calvert	do	46.87
	J. Warren Smith	do	3.95
	N. B. Conger	do	4.50
	A. H. Thiessen	Office expenses	31.00
	E. H. Emery	do	4.60
	R. A. Fessenden	do	31.00
	Frank W. Very	do	29.75
	Jas. E. Bell	Repairing wind vane, etc.	3.50
	do	Paint and brush	2.50
	C. E. Park	Erecting river gauge	10.00
	W. L. Lillie & Co	Framing charts	26.00
	Howald & Couldin	Repairs to chairs	3.75
	Key City Furniture Co	Repairs to glass cover	2.00
	W. A. Tunander	Repairs to river gauge	14.00
	Parker Bros	Repairs to chairs	1.50
	F. E. Warren Mercantile Co	1 stool	3.50
	Smith Premier Typewriter Co	Feed rollers	1.50
	Everhard Faber	Pencils, etc	579.30
	J. P. Nawrath	Twine	92.44
	The Okonite Co., Ltd	Copper wire	655.00
	Chas. E. Johnson Co	Duplicating ink, etc	835.00
	Walter Scott & Co	Stone bed, screws, etc	8.75
	O. J. Maigne	Rollers for printing office	42.28
	Mittag & Volger	Carbon paper	108.00
	Geo. Meier & Co	Lithograph varnish, etc	13.07
20	Standard Oil Co	Oil for printing office	28.97
	Mackall Bros	Glycerin	3.35
	Alabama and Georgia Long Distance Telephone Co.	Telephone service	20.20
	Alabama, Mississippi and Tennessee Telephone Co.	do	6.25
	Ohio River Telephone Line	do	5.00
	Corvallis and Eastern R. R. Co	Telegraph service	2.50
	Isle of Wight Telephone and Telegraph Co.	do	4.40
	I. M. Powell	Services	14.00
	Fred. D. Larke, jr	do	6.77
	Chas. D. Reed	Traveling expenses	34.35
	Pay roll, New York, N. Y.	Substation salaries	40.00
	Louisville and Nashville R. R. Co.	Passenger transportation	2.89
	Louisville, Evansville and St. Louis Consolidated R. R. Co.	do	3.75
	Carters Ink Co	Ink	36.00
	Chesapeake Electric Co	Insulators, etc	46.89
	Jno. W. Stonebraker	Paper	428.00
	C. S. Braisted	Pencils	33.00
	Chadwick Copying-book Co	Letter copying books	214.00
	United States Envelope Co	Envelopes	19.60
	Jas. Fitzsimons & Co.	Office furniture	90.00
	B. McAdam	Moving printing press	12.00
	The R. D. Willson Hardware Co.	Hardware	10.15
	J. H. Cleveland	Frames for charts	11.25
	F. J. Hill	Benzine	1.50
	Tampa Electric Co	Electric fans	12.00
	Bieg & Root	Copying sheets	.75
	Paul Kiene	Rubber stamps	1.00
	J. P. Nawrath	Sponges	16.50
	W. H. Hughes	Toilet set	3.03
	Robt. Owens	Services	2.50
	R. D. Willson	Stove, etc	18.10
	O. G. F. Markus	Repairs to wind vane	5.00
	Jno. Angelo	Painting board walk	5.00
	H. E. Bidwell	Painting river-gauge	9.00
	C. L. Byrd & Co	Repairing clock	1.00
	J. C. Sala	Repairing telethermograph	4.25
	Jas. Lyons	Replacing platform, etc	51.35
	E. H. Moorehouse & Co	Framing charts	40.00
	H. A. Sanders	do	16.90
	Z. D. Gilman	Sponges	2.75
	M. G. Copeland & Co	Pennants	1.95
	Rudolph, West & Co	Halyards	116.00
	R. N. Getty	Wire insulators	107.00
	E. D. Beattie	Printing crop bulletins	36.00



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Sept. 20	R. E. Dann .....	Printing crop bulletins .....	\$10.00
24	Reading Paper Mills .....	Paper .....	737.82
	S. S. Bassler .....	Office expenses .....	1.70
	A. H. Thiessen .....	do .....	16.74
	The Central District and Printing Tele- graph Co. ....	Telegraph services .....	6.20
	Illinois Central R. R. Co. ....	Passenger transportation .....	28.75
	Wyckoff, Seamans & Benedict .....	Repairing typewriters .....	12.30
25	C. J. Doherty .....	Office expenses .....	36.37
	Jas. H. Scarr .....	Traveling expenses .....	17.60
	W. W. Neifert .....	do .....	4.75
	Frank H. Bigelow .....	do .....	76.00
	Thos. Somerville & Sons .....	Lubricating compound .....	7.05
	J. E. Entwistle .....	Engraving .....	7.50
	Mackall Bros .....	Alcohol .....	12.67
30	B. F. Larcombe et al. ....	Salaries .....	2,623.24
	W. F. R. Phillips et al. ....	do .....	225.18
	First quarter .....		35,949.47
Oct. 1	Kenelin Cheseldine .....	Erecting mast .....	350.00
	Jno. Horne .....	Repairs to station .....	20.00
	E. B. Richards .....	Office expenses .....	64.60
	Philip Lindemyr .....	Gum, ink, etc .....	286.50
	Jno. C. Parker .....	Map paper, etc .....	139.67
	do .....	Supplies .....	3,467.94
	J. Baumgarten & Sons .....	Rubber stamps .....	7.56
	M. O'Leary .....	Sand .....	1.50
3	J. Edwd. Turton .....	Frames .....	747.50
	Broderick Bros .....	Rags .....	28.00
	Clark & Davenport .....	Carpets .....	467.79
	Jno. Moran .....	Mica .....	2.40
	Dulin & Martin Co. ....	Glasses .....	12.60
	A. A. Wagner .....	Rain gauges .....	217.50
	R. P. Clarke Co. ....	Millinet .....	2.38
	National Electric Supply Co. ....	Knife switches .....	3.20
	Southern Rwy. Co. ....	Passenger transportation .....	29.70
	Mackall Bros .....	Soap, etc .....	187.84
	do .....	Oil silk, etc .....	12.85
	do .....	Supplies .....	3.25
	J. C. Entwistle .....	Engraving .....	7.50
	Rudolph, West & Co. ....	Shovels, etc .....	3.58
	do .....	Zinc .....	9.90
4	Michigan Central R. R. Co. ....	Passenger transportation .....	1.30
	Atlantic Coast Line R. R. Co. ....	do .....	38.40
	Grand Trunk R. R. System .....	do .....	34.73
	New York, New Haven and Hartford R. R. Co. ....	do .....	14.00
	St. Louis and San Francisco R. R. Co. ....	do .....	9.05
	Smith Premier Typewriter Co. ....	Repairs .....	7.00
	Brown & Borsheim .....	Repairing clock .....	2.50
	L. A. Overton .....	Repairing gauge .....	7.50
	C. R. Porter .....	Frames .....	28.60
	C. E. Johnson .....	Repairs to telegraph line .....	8.00
	Fred Albright .....	do .....	1.00
	H. W. Yarbrough .....	Frames .....	26.37
	Harry A. Neff .....	Repairs to furniture .....	3.00
	S. A. Freer .....	Painting shelter .....	6.00
	G. B. Cowing .....	Painting vane .....	5.00
	J. H. Kroeber .....	Services and material .....	7.70
	E. A. Slack .....	Printing bulletin .....	30.25
	Jno. N. Mitchell .....	Laying carpet .....	6.00
	A. C. McMillan .....	Erecting flagstaff .....	7.00
	E. D. Briggs .....	Surveying .....	10.00
	E. Arant .....	Services .....	4.80
	Wm. G. Williams .....	do .....	8.00
	Louis. H. Vogel .....	Repairing press .....	3.50
	Cumberland Presbyterian Publishing House .....	Paper .....	2.10
	Roland Coffin .....	Repairing telegraph line .....	1.25
	Talbot & Hubbard .....	Repairing wind vane .....	10.00
	Flint & Walling Manufacturing Co. ....	Erecting steel towers .....	162.97
	Gowan & Pickford .....	Saws, etc .....	24.80
	Henry Thorspeck .....	Repainting shelter .....	8.00
	The R. D. Willson Hardware Co. ....	Heater, chairs, etc .....	11.75
	Jas. Heffernan .....	Water for station .....	3.00
	The Globe-Wernicke Co. ....	File case .....	50.00
	W. G. Jones .....	Repairing instruments .....	4.50
	Edwd. H. Rose .....	Repairing telegraph line .....	1.25
	W. H. Panney .....	Recasting rollers .....	5.80

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 4	Julius Audrae & Sons Co	Electric motor, etc	\$80.25
	Geo. Draper	Oars and rowlocks	2.35
	Simon Nusbaum, postmaster	Rent post-office box	1.50
	John Heffernan	Ice	2.00
	Henry Rice & Son	Water cooler	6.50
	H. J. Conrad	Electrical work	8.00
	N. K. White	Repairing printing press	5.00
	H. Dunwoody	Laying carpet	5.60
	Compton Lumber Co.	Lumber, etc	59.45
	J. R. Sanborn & Son	Carpet	53.00
	W. S. Fleenor	Oil	.65
	Claude L. Friel	Printing bulletins	11.00
	Robt. B. Nelson	Painting flagstaff	2.50
	Bryant & Douglas Book and Stationery Co.	Ink	3.70
	Ambros Hagman	Repairing press	1.00
	C. Posey	Ice	6.18
	The Toby Furniture Co.	Re-covering stand	8.00
	H. J. Wohlgenuth	Repairing telethermograph	2.50
	Wm. A. West	Telegraph poles	4.50
	D. Stormont	do	2.00
	Bennett Printing House	Printing crop bulletin	16.00
	Elmer & Amend	Centigraph	1.53
	do	Gold, bismuth, etc	36.96
	do	Paraffin, etc	15.93
	do	Sheet gold, etc.	8.51
	E. D. Beattie	Printing bulletins	36.00
	Geo. Meier & Co	Lithograph varnish	8.75
	W. Broadwell	Services	4.00
	State Journal Co	Printing bulletins	31.20
	Sunset Photo Engraving Co	Halftone plate	33.12
	G. C. Fahlbusch	Repairing shelter	18.40
	Thayer & Jackson Stationery Co	Binding book	1.25
	Jas. Freeman	Laying cable	1.50
	Carter Ink Co	Ink	7.50
	David Cuthbertson	Traveling expenses	29.15
	E. H. Nimmo	Hauling supplies	1.00
	Clyde Lemon	do	4.25
6	Allen Buell	Laying carpet	2.25
	Jas. B. Lambie	Pliers, etc	14.70
	do	Brushes, etc	27.70
	do	Fallow and belt lacing	5.28
	do	Clippers, etc	86.38
	Broderick Bros	Rags	14.00
	M. Du Perow	Cells, etc	2,529.50
	Jno. C. Parker	Inkstands	1.34
	do	Paper	1,951.95
	R. P. Clarke Co	Felt	30.00
	The Maurice Joyce Engraving Co	Photo plates	101.65
	do	Electrotype plates	69.16
11	Collector of customs, Georgetown	Drayage on books	10.56
13	Rising Sun Telegraph Line	Telegraph service	5.20
	Jacksonville and St. Johns Bar Telegraph Line	do	12.50
	Ocean Towboat Line	do	36.00
	Philadelphia, Reading and Pottsville Telegraph Co.	do	21.40
	Great Northwestern Telegraph Co	do	160.59
	Alabama, Mississippi and Tennessee Telephone Co.	Telephone service	6.75
	Ohio River Telephone Line	do	5.40
	Almo Telephone Co	do	1.47
	Corvallis and Eastern R. R. Co.	Telegraph service	2.70
	Isle of Wight Telephone and Telegraph Co.	do	4.20
	George G. Harkness	Traveling expenses	4.25
	L. N. Jesunofsky	Drayage	1.50
	J. W. Bryan	Hauling	35.62
	W. H. Fallon	Drayage	2.75
	Geo. Hass Hagen	Hauling, etc	4.50
	Chas. Eneu Johnson & Co.	Litho. ink	37.50
	do	Ink	18.75
	Edw. A. Beals	Cartage and express	2.65
	W. U. Simons	Transportation	3.00
	Yates & Co	Oil	2.15
	Altie M. Adie	Cleaning office	15.00
	H. T. Johnson	Rubber stamps	.90
	Carter, Rice & Co., Corporation	Paper	822.40
	A. H. Thiessen	Repairing shelter, etc	25.77
	Oliver L. Fassig	Express	2.15
	E. C. Thompson	Traveling expenses	.30
	do	do	.50

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 13	W. T. Blythe .....	Gasoline, etc. ....	\$16.41
	M. E. Blystone .....	Express .....	1.10
	G. M. Wilson .....	Hauling .....	2.30
	Chicago Auditorium Association .....	Rent of office .....	450.00
16	L. M. Tarr .....	Shelves, etc. ....	9.30
	J. W. Smith .....	Traveling expenses .....	1.85
	Jos. P. Fallihee .....	Horse hire .....	5.50
	Wm. G. Burns .....	Hauling, etc. ....	2.75
	do .....	Traveling expenses .....	29.10
	do .....	do .....	26.90
	Reading Paper Mills .....	Paper .....	360.00
	M. J. Greer .....	Washing towels .....	1.50
	P. C. Snaw .....	do .....	6.00
	American Ice Co. ....	Ice .....	3.90
	Baltimore Towel Supply Co. ....	Washing towels .....	2.25
	American Linen Supply Co. ....	do .....	3.00
	Rob Roy Coleman .....	Ice .....	4.60
	City Electric Light Co. ....	Electric lights .....	4.50
	The Woodford Telephone Co. ....	Rent of telephone .....	5.00
	Doster & McCurdy .....	Ice .....	32.50
	The American Toilet Supply Co. ....	Towels, etc. ....	2.25
	Grant Rivenburg .....	Ice .....	3.22
	Catherine Wilson .....	Rent of office .....	140.82
	Peoples' Gaslight and Coke Co. ....	Gas .....	7.20
	Cleveland Telephone Co. ....	Rent of telephone .....	18.00
	Iowa Telephone Co. ....	do .....	13.50
	Raleigh Telephone Exchange .....	do .....	7.50
	The Northwestern Telephone Exchange Co. ....	do .....	18.00
	Chas. G. Le Clair .....	Ice .....	3.00
	American Ice Co. ....	do .....	6.00
	M. T. Hayden .....	Washing towels .....	3.00
	Michigan Telephone Co. ....	Telephone service .....	4.77
	E. A. Hughes .....	Electric light .....	9.00
	Omaha Towel Co. ....	Washing towels .....	3.00
	Nebraska Telephone Co. ....	Rent of telephone .....	15.00
	John W. Eagleson .....	Ice .....	7.50
	Excelsior Electric Co. ....	Electric light .....	1.50
	The Silver State Towel Supply Co. ....	Washing towels .....	2.25
	Thos. W. Pemberton .....	Electric light .....	5.10
	Board of Public Works .....	Water .....	3.50
	Lincoln Traction Co. ....	Electric current .....	13.50
	Fort Smith and Van Buren Light and Transit Co. ....	do .....	7.74
	Charleston Consolidated Rwy., Gas and Electric Co. ....	do .....	3.00
	Nashville Laundry Co. ....	Towel service .....	1.80
	The Blue Mountain Co. ....	Ice .....	6.10
	H. L. Pittock .....	Electric current .....	18.00
	C. B. Little .....	Water .....	11.00
17	Baife D. Johnson .....	Office rent .....	63.00
	Wm. Pollman .....	do .....	87.50
	Benj. M. Jacobs .....	do .....	30.00
	Peter Sonna .....	do .....	120.00
	Geo. L. Lovett .....	do .....	105.00
	F. E. Warren Mercantile Co. ....	do .....	129.40
	Maggie French .....	do .....	59.20
	C. M. Beeson .....	do .....	88.91
	U. G. Myers .....	do .....	88.44
	do .....	do .....	49.46
	Mary C. Pratt, et al. ....	do .....	93.75
	Elizabeth L. Renoe .....	do .....	100.00
	Farmers' National Bank of Fresno .....	do .....	115.00
	Indianapolis Gas Co. ....	do .....	250.00
	R. McLaughlan .....	do .....	150.00
	Conrad National Bank .....	do .....	67.50
	Bunce & Iiams .....	do .....	90.00
	Tyree & Wilkins, agents .....	do .....	67.50
	A. W. Kennie .....	do .....	42.00
	The Gamble-Desmond Co. ....	do .....	100.00
	The Citizens' Bank, Norfolk, Va. ....	do .....	131.25
	Walla Walla Lodge .....	do .....	84.87
	H. Wallenberg .....	do .....	77.25
	Adam C. Rackliffe .....	do .....	75.00
	D. Horton .....	do .....	120.00
	E. H. Jamieson .....	do .....	135.00
	A. J. Knight .....	do .....	82.19
	Columbia Building Co. ....	do .....	87.50
	E. P. Jones .....	do .....	25.00



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 17	E. J. Davenport .....	Office rent .....	\$25.00
	do .....	do .....	66.67
	Edgar Harding .....	do .....	87.50
	Ella W. Daniels .....	do .....	87.50
	H. H. Taylor, agent .....	do .....	322.50
	Guaranty Building Co. ....	do .....	134.96
	O. I. Mairs .....	do .....	67.50
	Otto B. Hart .....	do .....	24.00
	Mill Valley and Mount Tamalpais Scenic Ry. ....	do .....	105.00
	T. M. Jeffris & Co. ....	do .....	100.00
	H. Overholzer .....	do .....	127.50
	T. B. Catron .....	do .....	105.00
	Orson Adams, jr. ....	do .....	120.00
	Real Estate and Law Building Co. ....	do .....	43.75
	Albert Marty .....	do .....	165.00
	Pacific Club .....	do .....	67.50
	American Surety Co. of New York .....	do .....	625.00
	E. S. Hughes & Co. ....	do .....	106.11
	B. S. Williams .....	do .....	55.00
	J. L. Manning .....	do .....	59.32
	Jas. K. Porter .....	do .....	150.00
	C. S. McLaury et al .....	do .....	69.00
	J. E. Dooly .....	do .....	150.00
	Warfield & Dann .....	do .....	75.00
	M. E. Conway .....	do .....	37.74
	Henry Bolton .....	do .....	52.84
	Portland Transit Co. of Oregon .....	do .....	210.00
	Northwestern Mutual Life Insurance Co. ....	do .....	100.00
	Jas. S. Sebree .....	do .....	36.00
	Bank and Insurance Building Co. ....	do .....	100.00
	Jas. L. Connell .....	do .....	75.00
	Luke & Smith .....	do .....	102.15
	Joseph Gussenhoven .....	do .....	90.00
	John G. Brown .....	do .....	75.00
	H. S. Gilbert .....	do .....	67.00
	W. D. Grant .....	do .....	225.00
	Society of Savings .....	do .....	285.00
	Kate F. Coke .....	do .....	60.00
	Jno. Seiner .....	do .....	114.00
	Margaret Parmentier .....	do .....	75.00
	H. W. Styron .....	do .....	38.62
	Pay roll, Parkersburg, W. Va. ....	Substation, salaries .....	101.20
	Pay roll, New Haven, Conn. ....	do .....	48.00
	Pay roll, Norfolk, Va. ....	do .....	105.00
	Pay roll, Buffalo, N. Y. ....	do .....	123.00
	Pay roll, Philadelphia, Pa. ....	do .....	69.00
	Pay roll, Cincinnati, Ohio. ....	do .....	195.00
	Pay roll, Shreveport, La. ....	do .....	42.00
	Pay roll, New York, N. Y. ....	do .....	40.00
	Pay roll, Vicksburg, Miss. ....	do .....	78.00
	Pay roll, Charleston, S. C. ....	do .....	168.00
	do .....	do .....	18.00
	Pay roll, Portland, Oreg. ....	do .....	115.00
	Chas. A. Blumner .....	Services .....	15.00
	Kate O'Tool .....	do .....	4.50
	W. T. Turbeville .....	do .....	15.00
	B. F. Modisett .....	do .....	30.00
	J. Evans .....	do .....	9.00
	Jno. T. Myers .....	do .....	15.00
	N. W. Wagner .....	do .....	21.00
	E. J. Kalliber .....	do .....	15.00
18	Ray G. Lewis .....	Office rent .....	5.00
	Lorenzo Littlefield .....	do .....	64.99
	Cedar City Furniture Co. ....	do .....	71.00
	Estate of Isaac Eberly .....	do .....	154.00
	Paine Bros. ....	do .....	73.95
	First Ward Bank, Portland, Me. ....	do .....	126.00
	Amarillo Improvement Co. ....	do .....	30.00
	City of Palestine, Tex. ....	do .....	78.50
	W. B. Moses & Sons .....	Desks, etc. ....	258.48
	do .....	do .....	172.13
	do .....	do .....	784.60
	National Electric Supply Co. ....	Copper wire .....	15.00
	Chesapeake and Potomac Telephone Co. ....	Telephone service .....	3.10
	Geo. F. Muth & Co. ....	Turpentine .....	52.26
	do .....	Wicks .....	1.35
	Hugh Reilly .....	Lights .....	.32
	J. C. Entwistle .....	Services .....	25.00
	Southern Printers' Supply Co. ....	Printing type .....	35.57

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 18	W. S. Jenks	Repairs to rain gauge	\$4.00
	Jas. B. Lambie	Saws	37.08
	The J. C. Ergood Co.	Flour	1.20
	Pay roll, Harrisburg, Pa.	Substation salaries	42.00
	Pay roll, La Crosse, Wis.	do	63.00
	Pay roll, Chicago, Ill.	do	386.40
	Pay roll, Charleston, S. C.	do	73.60
	Pay roll, Vicksburg, Miss.	do	73.60
	Pay roll, Narragansett Pier, R. I.	do	90.00
	Pay roll, Des Moines, Iowa	do	215.80
	Pay roll, Cairo, Ill.	do	131.20
	Pay roll, Pittsburg, Pa.	do	323.50
	Pay roll, Little Rock, Ark.	do	42.00
	do	do	1.60
	Pay roll, Chattanooga, Tenn.	do	142.80
	Pay roll, Omaha, Nebr.	do	25.10
	Homer K. Plough	Services	15.00
	H. L. Holden	do	30.00
	Ed. Kendall	do	30.00
20	Fredk. Springmann	do	8.12
	Manhattan Electric Supply Co.	Wire, etc.	82.70
	Geo. Meier & Co.	Scotch hones	12.60
	do	Ink	7.24
	Iowa Telephone Co.	Telephone service	36.00
	La Crosse Telephone Co.	do	7.50
	Wisconsin Telephone Co.	do	3.75
	Lynchburg Telephone Co.	do	3.00
	Southern Bell Telephone and Telegraph Co.	do	3.00
	do	do	7.50
	Southern States Telephone Co.	do	7.50
	Southern Bell Telephone and Telegraph Co.	do	10.00
	E. A. Born	Electric current	6.00
	Indianapolis Light and Power Co.	do	18.00
	Tampa Electric Co.	do	5.00
	do	do	3.64
	C. W. Byrnes	Towel service	3.00
	Amelia McLean	do	3.00
	The Bell Telephone Co. of Philadelphia	Service	30.00
	Mill Valley and Mt. Tamalpais Scenic Rwy.	Rent of office	15.00
	C. J. Oyler	do	4.50
	R. A. Williamson	Printing bulletins	28.00
	Flint & Walling Manufacturing Co.	Platform, etc.	10.95
	do	Railings	28.00
	Cumberland Telephone and Telegraph Co.	Telephone service	12.00
	Vicksburg Rwy. Power and Manufacturing Co.	Electric current	9.00
	Buffalo Gas Co.	Gas	7.50
	Southern Bell Telephone and Telegraph Co.	Telephone service	13.50
	San Antonio Gas and Electric Co.	Electric service	6.25
	M. A. Graham	Towel service	1.50
	Oregon Telephone and Telegraph Co.	Telephone service	6.94
	Portland Gas Co.	Gas	11.70
	R. C. Wariner	Towel service	3.00
	R. E. Dann	Printing bulletins	10.00
	Cumberland Electric Light and Power Co.	Electric current	15.00
	The Central District Printing Telegraph Co.	Telephone service	34.25
	Consumers' Ice Co.	Ice	3.90
	C. C. Randolph	Printing bulletins	95.50
	P. Minor	Ice	12.40
	Michigan Telephone Co.	Telephone service	6.00
	The Inland Telephone and Telegraph Co.	do	9.00
	Southwestern Telephone and Telegraph Co.	do	9.00
	Sunset Telephone and Telegraph Co.	do	6.00
	Cumberland Telephone and Telegraph Co.	do	14.00
	Missouri and Kansas Telephone Co.	do	18.00
	Pennsylvania Telephone Co.	do	20.00
	The South New England Telephone Co.	do	27.00
	Ontario Telephone Co.	do	7.50
	The Empire State Telephone and Telegraph Co.	do	15.00
	The Bell Telephone Co. of Buffalo	do	12.50
	Santa Fe Electric Telephone Co.	do	6.00
	Citizens' Telephone Co.	do	6.00
	The City and Suburban Telephone Assn.	do	21.00
	Capital Telephone and Telegraph Co.	do	4.50
	The Colorado Telephone Co.	do	13.50
	Union Telephone Co.	do	5.00
	New England Telephone and Telegraph Co.	do	9.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 20	Black Hills Telephone and Telegraph Co.	Telephone service	\$21.00
	Rocky Mountain Telephone Co.	do	10.50
	Delaware and Atlantic Telephone and Telegraph Co.	do	12.00
	Southern Bell Telephone and Telegraph Co.	do	15.00
	Southwestern Telephone and Telegraph Co.	do	15.00
	Southwestern Telephone and Telegraph Co.	do	15.00
	Chesapeake and Potomac Telephone Co.	do	31.25
	Columbia Telephone Co.	do	10.50
	Oregon Telephone and Telegraph Co.	do	22.50
	Missouri and Kansas Telephone Co.	do	30.00
	Sunset Telephone and Telegraph Co.	do	15.00
	Interstate Telephone and Telegraph Co.	do	4.50
	Southern Bell Telephone and Telegraph Co.	do	4.50
	Hudson River Telephone Co.	do	16.50
	The Colorado Telephone Co.	do	22.50
	Rocky Mountain Bell Telephone Co.	do	8.25
	Southern Bell Telephone and Telegraph Co.	do	7.50
	The Bell Telephone Co. of Missouri	do	16.25
	Southern Bell Telephone and Telegraph Co.	do	10.00
	New York and Pennsylvania Telephone and Telegraph Co.	do	21.00
	Wisconsin Telephone Co.	do	18.00
	New England Telephone and Telegraph Co.	do	14.25
	People's Telephone and Telegraph Co.	do	7.50
	East Tennessee Telephone Co.	do	9.00
	Michigan Telephone Co.	do	4.50
	East Tennessee Telephone Co.	do	9.00
	Columbia Telephone Co.	do	6.00
	Southern Bell Telephone and Telegraph Co.	do	10.32
	Northwestern Telephone Exchange Co.	do	9.00
	Missouri and Kansas Telephone Co.	do	9.00
22	Geo. H. Orr	Services	15.00
	Thos. A. Boon	do	30.00
	C. P. Disney	do	21.00
	Pay roll, Portland, Me.	Substation salaries	75.00
	Pay roll, Augusta, Ga.	do	30.00
	Pay roll, New Orleans, La.	do	84.00
	Pay roll, Raleigh, N. C.	do	97.00
	Pay roll, Mobile, Ala.	do	81.00
	Pay roll, Montgomery, Ala.	do	49.00
	Pay roll, Indianapolis, Ind.	do	180.60
	Pay roll, Nashville, Tenn.	do	49.80
	Pay roll, Savannah, Ga.	do	183.60
	Pay roll, Atlanta, Ga.	do	164.00
	Pay roll, Montgomery, Ala.	do	128.80
	Pay roll, Kansas City, Mo.	do	297.40
	Pay roll, Memphis, Tenn.	do	220.80
	Pay roll, Omaha, Nebr.	do	220.80
25	Chas. M. Moore	Services	2.00
	U. V. Hendrix	do	21.00
	L. M. Tarr	Traveling expenses	1.20
	G. J. O'Connor	do	4.25
	W. S. Belden	Repairing rain gauge, etc.	6.20
	E. Whitehurst	Services	12.00
	Alex. G. Burns	Cartage	2.50
	Jno. Feist	Bookcase	25.00
	Western Union Telegraph Co.	Repairs telegraph line	11.67
	Dodge City Telephone Co.	Telephone service	3.00
	Jas. Hepburn	Services	105.00
	Nashville Gas Co.	Gas	10.80
	Electric Lighting Co.	Electric service	.75
	Alpena Electric Light Co.	Electric current	6.00
	Minneapolis International Electric Co.	do	15.00
	The Raleigh Electric Co.	do	4.50
	J. F. Beck	Towel service	3.00
	Claude L. Friel	Printing bulletins	11.00
	Kentucky Steam Laundry	Towel service	1.50
	T. B. Satterwhite & Co.	Ice	4.55
	Jno. Longstaff	Printing bulletins	35.00
	A. Midgett	Ice	9.20
	Geo. W. Finch	Telephone service	6.00
	The First National Bank of Moorhead	Office rent	66.31
	Geo. E. Shaw	do	70.00
	H. B. Boyer	Drayage	.50
	Geo. E. Franklin	Towel service, etc.	3.35
	L. Rogers	Service	15.00
	J. W. Branam	do	15.00



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 25	M. M. Laidley .....	Service .....	\$21.00
	Meridian Telephone Co .....	Telephone service .....	6.00
	Geo. S. Waite .....	Office rent .....	119.82
	Tacoma Chamber of Commerce and Board of Trade .....	do .....	60.00
	Fanny L. Keating .....	do .....	90.00
	Chamber of Commerce Building Co .....	do .....	93.21
	Guaranty Building Co .....	Electric lights .....	2.70
	P. F. P. Mueller .....	Service .....	35.00
	Postal Telegraph Cable Co. of Texas .....	Telegraph service .....	23.86
	H. C. Roberts Electric Supply Co .....	Insulators .....	32.70
	The Pain Manufacturing Co .....	Signal pockets .....	67.40
	Kansas City, Pittsburg and Gulf R. R. Co .....	Passenger transportation .....	18.85
	C. F. R. Wappenhaus .....	Benzine, etc .....	3.30
	Fanny McLandlass .....	Services .....	6.00
	D. W. King .....	do .....	3.75
	St. Louis, Keokuk and Northwestern R. R. Co. ....	Passenger transportation .....	42.50
	Inland Type Foundry .....	Type .....	61.00
	Reading Paper Mills .....	Paper .....	72.00
	The Lake Shore and Michigan Southern Rwy. Co. ....	Passenger transportation .....	67.70
	Phillip Lindmeyr .....	Cardboard .....	71.95
	Wm. Branigan .....	Use of team .....	9.00
	Pay roll, Savannah, Ga .....	Substation salary .....	63.47
	Pay roll, Minneapolis, Minn .....	do .....	340.40
	Pay roll, Wilmington, N. C .....	do .....	128.80
	Pay roll, Pensacola, Fla .....	do .....	36.00
	Southwestern Telegraph and Telephone Co. ....	Telephone service .....	7.00
	New York and Pennsylvania Telephone and Telegraph Co. ....	do .....	6.75
	Marcus Sanchez .....	Cleaning office .....	15.00
	Bennett Printing House .....	Printing bulletins .....	20.00
	Duluth Telephone Co .....	Telephone service .....	12.50
	Wyckoff, Seamans & Benedict .....	Repairing typewriter .....	7.71
	Hersee & Co .....	Repairing furniture .....	22.00
	E. H. Bochner .....	Repairing typewriter .....	8.00
	Rees Bresee .....	do .....	4.50
	Buffalo Typewriter Exchange .....	do .....	15.00
	Chicago Telephone Co .....	Telephone service .....	57.50
	Addressograph Co .....	Type, etc .....	4.92
	Alabama and Georgia Long Distance Tele- phone Co. ....	Telephone service .....	22.10
	Wm. J. Dombrowsky .....	Cleaning clock .....	1.00
	Richmond, Fredericksburg and Potomac R. R. Co. ....	Passenger transportation .....	3.50
	Jas. G. Biddle .....	Copper wire, etc .....	43.54
	Horace G. Whitney .....	Printing bulletins .....	27.50
	C. Posey .....	Ice, etc .....	13.30
	E. H. Rose .....	Repairing telegraph line .....	1.25
	Chicago, Burlington and Quincy R. R. Co .....	Telegraph service .....	5.41
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co. ....	do .....	13.74
	Aurora and Friendship Telephone Line .....	Telephone service .....	10.40
	Universal Supply Co .....	Ink .....	10.00
26	Pay roll, Wilmington, N. C .....	Substation salaries .....	72.00
	Pay roll, Sandusky, Ohio .....	do .....	45.00
	Pay roll, Chicago, Ill .....	do .....	1,060.32
	Pay roll, Mobile, Ala .....	do .....	143.60
	Cincinnati, New Orleans and Texas Pacific Rwy. Co. ....	Passenger transportation .....	7.70
	W. M. Fulton .....	Ice, etc .....	20.70
	Frank W. Very .....	Meals and lodgings .....	30.00
	Wm. J. Olds .....	Repairing rain gauge .....	1.75
	R. A. Fessenden .....	Meals, etc .....	29.50
	Zetta Higgins .....	Services .....	30.00
	Frank L. McClintic .....	Traveling expenses .....	20.25
	W. M. Fulton .....	do .....	8.20
	T. S. Outram .....	do .....	.85
	J. W. Smith .....	do .....	1.35
	Chas. D. Reed .....	do .....	11.20
	Michigan Telephone Co .....	Telephone service .....	6.00
	do .....	do .....	6.00
	Sunset Telephone and Telegraph Co .....	do .....	6.00
	do .....	do .....	15.00
	East Tennessee Telephone Co .....	do .....	10.50
	Electric Railway and Manufactures Sup- ply Co. ....	Dynamo brushes .....	2.50
	Central Union Telephone Co .....	Telephone service .....	10.50

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 26	Central Union Telephone Co .....	Telephone service .....	\$40.50
	The Northwestern Telephone Exchange Co. ....	do .....	18.00
	do .....	do .....	9.00
	Cumberland Telephone and Telegraph Co. ....	do .....	21.00
	do .....	do .....	30.00
	do .....	do .....	10.00
	Southern Bell Telephone and Telegraph Co. ....	do .....	8.25
	do .....	do .....	17.00
	United Electric Light and Power Co .....	Electric current .....	24.00
	Peninsular Light and Power Co .....	Electric wire .....	8.50
	do .....	Electric current .....	3.37
	Standard Gas and Electric Co .....	Gas .....	14.80
	Inland Telephone and Telegraph Co. ....	Telephone service .....	18.00
	New York Telephone Co .....	do .....	60.00
	R. L. Lewis .....	do .....	15.75
	The Telephone Co. of South Jersey .....	do .....	3.33
	New Orleans Gas Light Co .....	Gas .....	35.72
	E. Schmaltz .....	Cleaning office .....	1.50
	M. N. Weber .....	Services .....	7.00
	S. L. Thompson .....	Lumber, etc .....	6.12
	Geo. Gobel .....	Flagstaff .....	75.00
	Oklahoma Furniture Co .....	Laying carpet .....	3.60
	Mary Fantleroy .....	Towel service .....	.75
	Davie Brothers .....	Repairing shelters, etc .....	6.00
	H. Brooker & Co .....	Kerosene, etc .....	2.63
	C. H. Reynolds .....	Repairing clock .....	1.00
	R. U. Getty .....	Ink, etc .....	8.50
	A. Greenwood & Co .....	Painting shelter .....	11.00
	American Type Founders' Co .....	Reglets, etc .....	2.79
	P. H. Cheney & Son .....	Electric current .....	5.62
	Diamond Ice and Storage Co .....	Ice .....	5.60
	Henry J. Ledoux .....	Water .....	7.14
	Jones & Powell .....	Ice .....	2.34
	R. E. Dann .....	Printing bulletins .....	5.00
	Statesman Printing Co .....	do .....	101.50
	R. H. Vorpahl .....	Casting rollers .....	5.10
	Scholes & Raehford .....	Erecting wind vane .....	12.50
	E. A. Little .....	Cleaning office .....	1.65
	Gether & Drebert Co .....	Type, etc .....	6.85
	Levi H. Campbell .....	Service and material .....	9.75
	Griggs, Land & Co .....	Coal .....	92.08
	The Friedenwald Co .....	Paper .....	2,063.80
	Geo. M. Hubinger .....	Towel service .....	2.00
	J. H. Thiemeyer .....	Boxes .....	101.20
	Schneider Bros .....	Services .....	47.50
	Louis Florman .....	Chart frames .....	15.00
	J. W. Dodd .....	Printing bulletins .....	1.83
	do .....	do .....	23.16
	J. I. Lengsfeld .....	do .....	30.80
	A. A. Boles .....	Services .....	9.50
	Jno. A. Roebbing's Sons Co .....	Copper wire .....	181.16
	Jno. R. Ayers .....	Typewriter ribbon .....	.75
	Gamble & Ludwig .....	Printing material .....	1.40
	Chas. E. Johnson & Co .....	Ink .....	57.50
	G. E. Stechert .....	Book .....	12.19
	W. R. Nifong .....	Ice .....	1.60
	Dent & Butler .....	Office rent .....	70.00
	Geo. F. Strong .....	Drayage .....	3.00
	C. H. Phelps .....	Map frames .....	22.36
	California Truck Co .....	Drayage .....	1.50
	McCrary & Branson .....	Chart frames .....	26.00
	M. O. Reilly .....	Repairing motor .....	3.50
	Gilpin & Jacobs .....	Stove .....	22.50
	O. J. Glenn .....	Drayage .....	2.85
	Richd. H. Blunt .....	do .....	1.50
	Kenelin Cheseldine .....	Services .....	24.00
	W. H. H. Smith .....	Use horse, etc .....	11.00
	do .....	Repairing telegraph line .....	60.00
	do .....	Services .....	.75
30	United States Express Co .....	Transportation .....	25.41
	J. C. Entwistle .....	Engraving .....	7.50
	Rudolph, West & Co .....	Halyards, hose, etc .....	26.30
	do .....	Supplies .....	551.34
	do .....	do .....	8.76
	do .....	do .....	10.96
	Union Typewriter and Supply Co .....	Repairing typewriter .....	4.75
	R. Carter Ballantyne .....	Pencils, bands, etc .....	24.60
	do .....	Paper .....	356.43

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 30	R. Carter Ballantyne	Stationery	\$446.48
	Wm. Ballantyne & Sons	Solio paper	71.00
	Mackall Bros	Vaseline	4.00
	Wm. H. Dyer	Sawdust	1.75
	Jno. Moran	Repairing lantern	1.50
	Thos. Somerville & Sons	Wrenches, etc	2.34
	do	Supplies	8.64
	do	Iron pipe	12.73
	Fred. A. Schmidt	Supplies	2.81
	Willis L. Moore	Traveling expenses	29.75
31	P. Connor	Office expenses	.25
	B. F. Lacombe et al	Salaries	2,847.82
	W. F. R. Phillips et al	do	277.90
Nov. 2	Jas. Berry	Traveling expenses	61.75
	N. B. Conger	do	85.66
3	L. A. Judkins	Office expenses	16.50
	L. M. Pindell	do	8.00
	J. H. Smith	do	5.50
	L. A. Judkins	do	.50
	Eliz. L. Renoe	do	3.00
	H. R. Patrick	do	.76
	A. H. Thiessen	Traveling expenses	6.65
	Pay roll, New Orleans, La.	Substation, salaries	146.40
	do	do	220.00
	Pay roll, Augusta, Ga.	do	165.60
	Pay roll, Boston, Mass.	do	40.00
	Mary E. Shelden	Rent of office	74.60
	Frank D. Miracle	do	105.00
	Chicago, Milwaukee and St. Paul Rwy. Co.	Passenger transportation	8.00
	American Type Founders' Co	Supplies	49.86
	do	do	33.46
	do	do	90.25
	do	do	64.77
	Chicago Varnish Co.	Varnish	2.10
	Shissler-Chase Co	Frames for chart	18.72
	A. M. Smith & Co.	do	4.25
	S. Leslie Thompson	Labor	2.00
	Phillip Gross Hardware Co.	Hand truck	7.50
	W. W. Best	Repairing telegraph line	1.50
	H. G. Hart	do	2.00
	Robt. N. Meeks	Repairing flagstaff	2.00
	Fred Albright	Hire of horse	2.00
	Peleg Brown	Hire of team and driver	3.00
	A. J. Sanders	Cleaning river gauge	3.00
	L. F. Willoughby	Recasting rollers	4.10
	Riggs & Bro	Repairs to telethermograph	3.00
	W. M. Warren	Painting instrument shelter	5.00
	T. H. Lawrence	do	18.00
	E. L. Styron	do	10.00
	H. Van Kenren	Repairing river gauge	6.00
	Edison Sault Electric Co	Electric current	8.48
	American Electrical Works	Magnet wire	6.46
	Barnhart Bros. & Spindler	Supplies	41.71
	do	do	25.05
	L. Naegele & Sons	Printing bulletins	22.50
	Dora Moven	Washing towels and flags	6.00
	Chas. H. Rowland	Ice	3.00
	Geo. Meier & Co	Flannel for printing office	23.40
	O. J. Maigne	Recasting rollers	16.80
	Julien P. Freiz	Services	10.00
	W. S. Jones	Painting river gauge	15.00
	A. E. Schnieder & Co	Framing charts	9.00
	Rocky Mountain Bell Telephone Co	Rent of telephone	9.00
	Pacific States Telephone and Telegraph Co.	do	25.50
	Valley Paper Co	Paper for printing office	380.10
	O. J. Mairs	Hauling	1.00
	Addressograph Co	Boxes	10.00
	J. W. Selby	Lumber	2.36
	St. Paul Electric Co.	Glass battery jars	1.00
	Lee A. Laird	Services	9.00
	Eldredge's Express	do	40.00
	Standard Oil Co.	Benzine	6.76
	Jas. Hunter	Wood	48.00
	Cumberland Presbyterian Publishing House.	Paper	1.32
	Wm. F. Coston	Signals	17.10
	Peter Gray	Lanterns	290.00
7	W. G. Burns	Office expenses	39.75
8	Henry Hedenreich	Repairs to letterpress stand	7.00
	Hart & Parker	Field glasses	14.00



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900			
Nov. 8	Chas. E. Johnson & Co.	Lithograph ink, etc.	\$25.00
	Barnhart Bros. & Spindler	Services	1.50
	do	Supplies	9.07
	J. W. Mitchell	Frames for charts	19.50
	Port Royal Dock Co	Coal	90.00
	H. C. Thompson	Repairing instrument shelters	25.00
	Julien P. Friez	Supplies	454.60
	Jos. Bryan	Office rent	150.00
	G. N. Salisbury	Office expenses	2.00
	L. H. Murdoch	do	6.10
	J. P. Slaughter	do	.85
	Marsden Wright	do	4.75
	T. S. Outram	do	2.25
	W. M. Wilson	do	5.15
	Wayland Bailey	do	1.90
	A. E. Hackett	do	2.40
	Alfred H. Thiessen	do	29.50
	W. L. Day	do	3.10
	Alfred H. Thiessen	do	20.42
	W. T. Blythe	Traveling expenses	37.40
	Edwd. A. Beals	do	75.05
12	Wm. E. Dewitt & Co	Services	30.00
14	Pay roll, Atlanta, Ga.	Substation salaries	57.00
	Pay roll, Fort Smith, Ark.	do	39.00
	Pay roll, Columbus, Ohio	do	255.60
	Pay roll, Portland, Oreg.	do	7.00
	Pay roll, St. Louis, Mo	do	184.00
	do	do	107.50
	D. D. Booze	Services	1.50
19	C. H. Moffett	do	1.50
	Thos. W. Smith	Signaling mast	554.00
	Norwich University	Electric light	12.00
	Max Levy	Electric current	30.00
	Alex. J. Pollock	Repairing clock	2.50
	M. Beckwith	Carting	.85
	H. R. Sadler	Repairing furniture	24.50
	Thos. McCaffrey	River gauge	40.00
	C. J. McRae	Coal	1.00
	Clarke & Courts	Stereotyping weather maps	2.50
	The State Co	Binding book of forms	1.50
	A. Greenwood & Co	Molding	6.50
	Worthington Bros	Erecting storm tower	35.00
	The Winship Manufacturing Co	do	34.00
	E. Olsen & Co	do	98.00
	The Phillips & Osborn C. C. and W. Works	Laying carpet	4.50
	Jno. McCallum	Erecting storm tower	86.00
	American Type Founders' Co	Type	13.07
	Barnhart Bros. & Spindler	Type, etc.	40.02
	Henry J. Greene	Thermometers	900.00
	A. B. Wood	Washing towels	3.00
	E. D. Beattie	Printing climate and crop reports.	36.00
	Dunn & Lemmon	do	33.00
	The Bryan Printing Co	do	56.00
	Times-Journal Publishing Co.	do	19.50
	E. M. Bowman	Drayage	3.25
	Pacific Transfer Co	do	14.00
	The Pigott & French Co	Printing crop report, etc.	35.00
	Samuels Transfer and Storage Co.	Drayage	2.50
	W. Broadwell	do	5.00
	Northern Pacific Rwy. Co.	Passenger transportation	35.00
	Winton Telegraph Co	Telegraph service	7.60
	Corvallis and Eastern R. R. Co	do	2.40
	The Central District and Printing Telegraph Co.	do	12.20
	Southwestern Telegraph and Telephone Co	Telephone services	12.00
	Rocky Mountain Bell Telephone Co.	do	5.03
	Ohio River Telephone Line	do	4.80
	Nebraska Telephone Co.	do	46.18
	Jacksonville and Rich Square Telephone Co.	do	30.40
	Iowa Telephone Co	do	7.80
	East Tennessee Telephone Co	do	15.60
	Dakota Central Telephone Lines.	do	107.65
	Cumberland Telephone and Telegraph Co.	do	146.70
	Jno. Clarke	do	.10
	Alabama, Mississippi and Tennessee Telephone Co.	do	6.00
	Galveston Gas Co.	Gas	3.00
	Hoke Engraving Plate Co.	Supplies	73.70

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Nov. 19	Hoke Engraving Plate Co .....	Recoating plates .....	\$100.00
	do .....	Stereotype metal .....	32.60
	do .....	Recoating plates .....	100.00
	do .....	do .....	75.00
	do .....	do .....	100.00
	do .....	do .....	62.50
	Chas. W. Ling .....	Office expenses .....	2.50
	E. H. Emery .....	do .....	8.60
	do .....	do .....	10.00
	I. M. Cline .....	do .....	1.80
	R. G. Allen .....	do .....	12.50
	S. S. Bassler .....	Traveling expenses .....	11.50
	N. B. Conger .....	do .....	2.45
	Pay roll, Alpena, Mich .....	Substation salaries .....	60.00
	Pay roll, Cleveland, Ohio .....	do .....	66.45
	Pay roll, New Orleans, La .....	do .....	67.50
	Pay roll, Boston, Mass .....	do .....	500.25
	Sam'l. B. Hicks et al .....	Rent of office .....	120.00
	E. S. Levy .....	do .....	150.00
	J. P. H. Bell .....	Services .....	16.40
20	H. E. Craven .....	do .....	2.00
	T. P. Halloran .....	do .....	.50
	Pay roll, New York, N. Y .....	Substation salaries .....	40.00
	Pay roll, Charleston, S. C .....	do .....	35.00
	Pay roll, New Orleans, La .....	do .....	74.40
	Pay roll, Wilmington, N. C .....	do .....	43.40
	Pay roll, Atlanta, Ga .....	do .....	54.40
	Pay roll, Charleston, S. C .....	do .....	24.80
	Pay roll, Vicksburg, Miss .....	do .....	24.80
21	Pay roll, Galveston, Tex .....	do .....	404.80
	Pay roll, Louisville, Ky .....	do .....	274.60
	R. A. Fessenden .....	Office expenses .....	18.00
	A. H. Thiessen .....	do .....	22.25
	East Louisiana R. R. Co .....	Telegraph services .....	7.50
	Barron County Telephone Co .....	Telephone services .....	15.00
	Isle of Wight Telephone and Telegraph Co .....	do .....	5.00
	Alabama and Georgia Long Distance Telephone Co .....	do .....	21.00
	Staunton Mutual Telephone Co .....	do .....	37.50
	North Montana Telephone Co .....	do .....	21.90
	Cumberland Telephone and Telegraph Co .....	do .....	22.10
	W. H. Holmes .....	do .....	6.00
	J. W. Lowry .....	Services .....	15.00
	T. Haggerty .....	do .....	48.00
	American Ice Co .....	Ice .....	1.35
	The Robt. Clarke Co .....	Ink .....	.85
	J. B. Buck .....	Galley rack .....	10.00
	F. I. Carter .....	Repairs to Caligraph .....	4.00
	Alex. H. Revell & Co .....	Repairs to lounge .....	10.00
	C. L. Friel .....	Printing bulletins .....	13.75
	H. J. Bool .....	Frames for charts .....	17.00
	B. J. Tuttle .....	Painting instrument shelters .....	10.00
	Adolph Reich .....	Erection of tower .....	30.00
22	Whitehead & Kales .....	do .....	100.15
	Pay roll, Little Rock, Ark .....	Substation salaries .....	264.20
	Pay roll, Montgomery, Ala .....	do .....	43.40
	Pay roll, Savannah, Ga .....	do .....	68.20
	Pay roll, New Orleans, La .....	do .....	49.60
	Conrad E. Hesse .....	Office expenses .....	13.25
	Jos. P. Fallihee .....	do .....	3.00
	E. A. Evans .....	do .....	4.00
	Chas. M. Strong .....	do .....	3.85
	E. C. Vose .....	do .....	10.75
	Chas. E. Holmes .....	Traveling expenses .....	17.95
	R. A. Fessenden .....	do .....	25.30
	do .....	do .....	15.50
	Johnson & Johnson .....	Wood and coal .....	19.60
	M. R. Scarborough .....	Painting river gauge .....	2.00
	J. L. Hastings .....	Painting flagstaff .....	15.00
	C. Posey .....	Ice .....	6.80
	W. L. Thompson .....	do .....	6.00
	Addressograph Co .....	Supplies .....	1,512.25
	Kansas Farmer Co .....	Printing bulletins .....	30.00
	C. W. Richardson .....	Carpet, etc .....	22.75
	U. B. Dodge .....	Repairing telegraph .....	24.00
	Rising Sun Telegraph Line .....	Telegraph service .....	2.40
	Southwestern Telegraph and Telephone Co .....	Telephone service .....	.70
	Mutual Telephone Co .....	do .....	7.50
	N. R. Fitzhugh, jr .....	Erecting storm tower .....	49.50

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Nov. 22	H. W. Johnston	Erecting storm tower	\$25.00
	S. W. Shearer	do	50.00
	Jno. Halloran	do	85.00
	N. R. Fitzhugh, jr	Erecting wind vane	16.50
	H. W. Gross	do	10.00
	Otto Redeker	Erecting instrument shelter, etc.	19.75
	Josef Stainer	do	32.00
23	C. E. Hesse	Traveling expenses	4.05
	Chesapeake and Ohio Rwy. Co	Passenger transportation	3.85
	The New York, New Haven and Hart- ford R. R. Co.	do	8.75
	Union Pacific R. R. Co.	do	43.25
	Michigan Central R. R. Co.	do	8.37
	Pennsylvania Co	do	63.50
	Seaboard Air Line Rwy. Co.	do	29.55
	New York Central and Hudson River R. R. Co.	do	5.39
	Fremont, Elkhorn and Missouri Valley R. R. Co.	do	9.10
	San Antonio and Aransas Pass Rwy. Co	do	35.95
	Schneider Bros	Testing tube	65.00
	J. H. Weddington & Co	Handsaw, etc.	3.25
	J. H. Bunnell & Co	Relays	20.70
	Valley Paper Co	Paper	418.20
	Phillip Lindemeyr	Cardboard	17.99
	J. H. Thiemeier	Packing boxes	126.75
	Walter Scott & Co	Repairing lithograph press	75.70
	do	Screws, etc.	6.00
	Southern Bell Telephone and Telegraph Co.	Telephone service	7.50
	Cumberland Telephone and Telegraph Co.	do	25.18
	S. P. Johnson	Caligraph	69.75
	do	do	69.75
	Broderick Bros	Rags	14.00
	Rudolph, West & Co.	Pitchers	4.98
	Thos. Somerville & Sons	Supplies	4.65
	Jno. C. Parker	Inkstands	28.80
	do	Paper	617.21
	M. G. Copeland & Co	Flags	2, 158.22
	Clark & Davenport	Carpet	94.70
	J. Baumgarten & Sons	Rubber stamps	1.40
	W. B. Moses & Sons	Chair	5.00
	do	Furniture	133.40
	Mackall Bros	Soap	43.25
	The Maurice Joyce Engraving Co	Services and supplies	14.77
	do	Supplies	.75
	Wyckoff, Seamans & Benedict	Repairing typewriter	.60
	Jas. B. Lambie	Turn-buckles	3.00
	do	Wire, etc.	1.95
	M. Du Perow	Glass cells	22.00
	Fred A. Schmidt	Ink, etc.	122.72
	J. G. Puddock	Erection of tower	55.00
	Sentenne & Green	Signs for tower	112.50
	Jim Ray	Ice	10.00
26	Jno. C. Parker	Paper folders	16.96
	do	Clip boards	7.92
	J. C. Entwistle	Engraving	7.50
	Springmann's Express	Drayage	1.50
	Broderick Bros	Rags	14.00
	Cleveland Abbe	Traveling expenses	6.00
30	Geo. W. Eddey	Office expenses	1.25
	A. J. Mitchell	do	5.45
	L. N. Jesunofsky	Traveling expenses	5.70
	J. P. Friez	Rain gauges, etc.	250.50
	Weber & Archer Machine Works	Repairs on press	4.00
	Glass & Prudhomme	Binding bulletins	51.50
	The Paine Manufacturing Co	Signal rockets	20.60
	F. L. Crindiff	Repainting instrument shelters	8.00
	F. A. Tasker	do	9.75
	Henry Haffner	Services	190.60
	M. E. Leeds	Static transformer	182.00
	American Electrical Works	Copper wire	4.59
	Norfolk and Southern R. R. Co	Passenger transportation	1.45
	do	do	1.40
	Union Pacific R. R. Co	do	18.00
	Pennsylvania R. R. Co	do	28.55
	The Colorado and Southern Rwy. Co	do	12.00
	Norfolk and Southern R. R. Co	do	1.00
	B. F. Larcombe et al	Salaries	2, 791.24



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Nov. 30	W. F. R. Phillips et al.	Salaries	\$269.20
Dec. 3	Clark & Davenport	Brussels carpet, etc	64.28
	do	do	103.39
	Jno. C. Parker	Paper	305.00
	do	do	1,333.20
	R. Carter Ballantyne	Pencils	73.90
	W. B. Moses & Sons	Bookcase	8.50
	Jas. B. Lambie	Nail pullers, etc	17.72
	Union Typewriter and Supplies Co.	Pads	18.00
	Thos. Somerville & Sons	Nippers	1.08
	Rudolph, West & Co	Scissors	18.00
	Harry E. Overstreet	Hauling	.12
	J. R. Clark	Transportation	1.00
	Michigan Central R. R. Co	do	1.02
	Lake Shore and Michigan Southern Rwy. Co.	do	.58
	Southern R. R. Co	Passenger transportation	14.75
	do	do	6.66
4	Southern Bell Telephone Co	Telephone service	8.71
	Pay roll, Jacksonville, Fla	Substation salaries	90.00
	Pay roll, Galveston, Tex	do	136.40
	Pay roll, Memphis, Tenn	do	74.40
	H. W. Richardson	Office expenses	.75
	R. B. Harkness	do	.95
	A. H. Thiessen	do	20.73
	R. A. Fessenden	Traveling expenses	11.55
	N. B. Conger	do	47.75
	do	do	5.60
	Northern Pacific Rwy. Co	Passenger transportation	7.20
	New York, New Haven and Hartford R. R. Co.	do	5.20
	Great Northern Rwy. Co	do	2.90
	Atlantic Coast Line R. R. Co	do	7.05
	Newport and Wickford R. R. and Steamboat Co.	do	4.50
	Pennsylvania R. R. Co	do	36.67
	New Bedford, Martha's Vineyard and Nantucket Steamboat Co.	do	1.75
	Utah and Pacific R. R. Co	do	4.00
	A. W. Stevens	Drayage	1.50
	Thos. B. Meeker	do	1.75
	Howard Transfer Co	do	2.75
	E. L. Page	do	1.50
	Manistee Iron Works Co	Storm tower	48.00
	Fred. F. Smith	Casting	.75
	J. H. Baltz	do	1.00
	Georgetown Iron Works	Erecting storm tower	60.00
	N. E. Noakes & Bro	do	55.00
	Henry M. Smith	do	45.00
	Saml. Bally	do	83.75
	Optenberg & Souneman	do	90.00
	T. J. Reynolds	Services	15.00
	C. J. Kettleson	do	10.00
	Wm. Crawford	Use horse and wagon	3.00
	Addressograph Co	Supplies	4.49
	M. O. Reilly	Services, etc	9.64
	C. E. Johnson & Co	Magnesia	6.00
	Eberhard Faber	Pencils, etc	131.28
	A. J. Cameron	Field glasses	12.00
	The Blakeley Printing Co	Type	4.50
	Rhodes & Buckner	Repairing office case	9.00
	Geo. Magub	Repairing office desk	5.00
	The H. & W. B. Drew Co	Molding for rooms, etc.	11.82
	C. E. Hoyle & Sons	Making frames	24.70
	Boyd Park	Clock springs	2.00
	Wild & Stevens	Recasting rollers	3.25
	G. B. Cowing	Renovating office	14.00
	J. B. Marbury	Office expenses	25.50
	Harry Stackhouse	Repairing chairs	2.15
	Dowd & King	Tubing, etc	1.20
	Barnhart Bros. & Spindler	Type, rule	20.49
	A. T. Sprague	Chestnut logs, etc	20.00
	Edenfield & Jetton	File case	45.25
	Jacob Grambling	Repairing clock	1.50
	The Okonite Co., Limited	Wire	15.00
	United States Envelope Co.	Envelopes	1,729.35
	F. H. Knowles	Services	5.00
	Lucy A. Midgett	do	13.50
	A. D. Dixon	do	13.50
	F. C. Ayers	do	1.25

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900. Dec. 4	Adolphus Burrus	Services	\$3.75
	O. W. Bye	Use of horse	3.00
	The Denver Type Foundry Co.	Repairs to printing press	12.00
	Wyckoff, Seamans & Benedict	Repairs to typewriter	2.20
	American Type Founders' Co.	Supplies	45.89
	do	do	7.73
	do	do	1.15
10	Clark & Davenport	Carpet	36.37
	Fred A. Schmidt	Supplies	250.00
	J. C. Entwistle	Engraving	5.00
	Union Typewriter and Supplies Co.	Platen	2.00
	Norfolk and Washington Steamboat Co.	Passenger transportation	3.00
	W. L. Moore	Traveling expenses	38.00
	Lower Coast Packets	Transportation	.50
	J. H. Cunningham	do	.25
	Hoke Engraving Plate Co.	Recoating plates	87.50
11	Eimer & Amend	Gold in sheets	2.21
	Geo. Meier & Co.	Lithographic varnish	8.75
	J. B. Miner	Material and labor	64.00
	American Type Founders' Co.	Leads	5.75
	Hudgins & Hurst	Mail bag	2.00
	N. B. Bennett	Painting instrument shelters	8.00
	Jno. W. Holmes	Repairing telegraph lines	3.00
	Queen & Co., incorporated	Electric coil	175.00
	Georgetown Electric Co.	Electric light on tower	14.00
	Fort Smith and Van Buren Light and Transit Co.	Electric current for fan	4.00
	G. B. Wilson & Co.	Erecting river gauge	117.75
	D. Stormont	Erecting storm tower	71.00
	A. M. Blythe	do	234.00
	A. D. Ross	do	40.00
	Peter Dixon	do	170.00
	Wm. H. Wyer & Co.	do	65.00
	United States Envelope Co.	Envelopes	3.85
	Valley Paper Co.	Paper	130.00
	Yreka R. R. Co.	Passenger transportation	1.00
	Maricopa and Phoenix and Salt River Valley R. R. Co.	do	2.10
	Pacific Coast Steamship Co.	do	50.00
	J. P. Fallihee	Office expenses	4.50
	Jas. S. Seabee	do	13.60
	American Type Founders' Co.	Supplies	26.94
14	J. E. Smith	Repairing telegraph line	4.00
	H. G. Hart	do	2.00
	Fred. Albright	Use of horse	3.00
	Hyrum Dalley	Drayage	1.75
	Geo. F. Muth & Co.	Turpentine	26.52
	R. C. Ballantyne	Files	20.60
	Jno. C. Parker	Letter presses, etc	82.65
	Erick Boysen	Hauling	.50
	Eagle Iron Works	Erecting storm tower	117.76
	Morris E. Leeds & Co.	Wire	3.07
	Seth Graham & Son	Drayage	2.60
	R. E. Carrington	Stovepipe	1.00
	J. Baumgarten & Sons	Rubber stamps	1.05
	The Maurice Joyce Engraving Co.	Electrotype plates	28.12
	do	Services	1.50
	W. B. Moses & Sons	Office furniture	156.60
	do	do	33.25
	Hedderich Bros. & Co.	Brooms, etc	2.00
	Wm. H. Dyer	Sawdust	1.75
	Franklin & Co.	Eyeglasses	4.80
	Rudolph, West & Co.	Chamois skin	25.00
	C. Paravicini	Repairing instrument case	7.00
	W. Branigan	Use team	5.00
	Buffington & Co.	Re-covering rollers	3.80
	Postal Telegraph Cable Co.	Telegraph services	258.65
	do	do	71.40
	Pay roll, Mobile, Ala.	Substation salaries	47.80
	Fredk. Springmann	Transportation	5.68
	The Pacific Coast Co.	Passenger transportation	1.00
	Jno. R. Weeks	Office expenses	3.35
	J. C. Hayden	do	.50
	W. G. Burns	do	44.62
	Frank W. Very	do	17.00
	W. M. Fulton	Traveling expenses	6.60
	do	do	8.00
	W. B. Stockman	do	38.62
	L. N. Murdock	do	6.00
	W. S. Belden	do	8.80

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900, Dec. 17	Pay roll, New York, N. Y.	Substation salaries	\$40.00
	Bank of Tehama County	Office rent	99.06
	A. H. Thiessen	Office expenses	20.00
	R. A. Fessenden	do	23.75
	Conrad E. Hesse	do	20.00
	Alex. G. McAdie	Traveling expenses	102.25
	Aurora and Friendship Telephone Line	Telephone service	4.80
	The Bell Telephone Co. of Buffalo	do	.55
	Ohio River R. R. Co.	Telegraph service	7.80
	International Ocean Telegraph Co.	do	121.18
	do	do	125.51
	Jacksonville and St. Johns Bar Telegraph Line.	do	7.50
	do	do	7.50
	Ocean Tow Boat Line.	do	30.00
	do	do	30.00
	Postal Telegraph Cable Co. of Texas	do	42.27
	Great Northwestern Telegraph Co.	do	160.55
	J. T. Harper	do	10.32
	Philadelphia, Reading and Pottsville Telegraph Co.	do	21.18
	A. T. Craig	Services and material	1.90
	Allie M. Adie	do	5.00
	H. E. Paddock	do	1.75
	M. N. Hunt	do	3.30
	The Carter Ink Co.	Mucilage cups	14.00
	W. A. Powell	Repairing typewriter	13.55
	D. Stormont	Transportation	5.00
	East Florida Printing Co.	Printing weather bulletins	39.00
	Hart & Parker	Repairs to office clock	2.80
	The Smith Premier Typewriter Co.	Repairs to typewriter	13.70
	R. Schiller	Services	3.75
	E. D. Beattie	Printing climate bulletins	36.00
	Wm. A. West	Poles for telegraph line	782.00
	E. J. Brooks	Ink	3.60
	L. H. Jones	Recasting rollers	3.05
	Inland Type Foundry	Supplies	4.07
	Jno. R. Nye	Office furniture	29.00
	Barnhart Bros. & Spindler	Type	12.44
	do	Lye brushes	17.10
18	Thos. B. Meeker	Erecting flagstaff	70.00
	W. H. Howard	Services	30.00
	W. H. T. Spencer	do	101.65
	E. Sephton	Shelving	27.00
	Chippewa Hardware Co.	Red lead	2.00
	Emmett & Wheeler	Labor and materials	3.10
	E. P. Kinney	Laying cable and making wire points.	9.50
	W. W. Armstrong	Gaspipe	3.00
	Geo. Beesley	Papering and painting	9.00
	The Van Bibber Roller Co.	Casting rollers	4.00
	The Friedenwald Co.	Tissue paper	32.00
	F. S. Hartwell	Welsbach droplight	4.95
	Dent & Butler	Window shades	3.50
	McGilvery & Boston	do	3.50
	Yates & Co.	Benzine	1.00
	Hager Bros. Co., Limited	Mirror	1.75
	Wolfe & Co.	Repairing furniture	21.25
	E. L. Davant	Repairing typewriter	5.00
	Jas. Markey	Labor and material	3.25
	A. B. Pittman	do	4.00
	Geo. G. Palmer	Erecting storm tower	49.00
	E. B. Henderson	do	275.00
	Wm. H. Butler	do	40.00
	A. H. Freeman	do	90.00
	W. H. Feldmeyer	do	35.00
	Quigg & Penfield	do	40.00
	Wm. R. Hallam	do	54.50
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	Telegraph services	15.88
	Chesterfield Telephone and Telegraph Co.	do	7.60
	The Central District and Printing Telegraph Co.	do	6.20
	Rising Sun Telegraph Line	do	2.70
	Corvallis and Eastern R. R. Co.	do	2.70
	Chicago, Burlington and Quincy R. R. Co.	do	2.56
	Put-in-Bay Telegraph Co.	do	9.63
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	do	9.75
	East Louisiana R. R. Co.	do	2.50



Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Dec. 18	The Kelly Island and Sandusky Cable Co.	Telegraph services	\$9.30
	H. E. Wadsworth	do	41.80
	Alabama and Georgia Long Distance Telephone Co.	Telephone service	23.90
	Ohio River Telephone Line	do	5.40
	Eastern Telephone Line	do	.20
	Southwestern Telegraph and Telephone Co.	Telephone rent	3.00
	Patterson Transfer Co.	Hauling	1.00
	Nashville, Chattanooga and St. Louis Rwy. Co.	Passenger transportation	8.60
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	22.00
	St. Louis and San Francisco R. R. Co.	do	29.10
	Savannah, Florida and Western Rwy. Co.	do	10.50
	Seaboard Air Line Rwy. Co.	do	20.60
	F. H. Brandenburg	Office expenses	2.95
	W. T. Turbeville	do	1.00
	Carl S. Weatherwax	Services	10.00
	Chas. E. Smith	do	100.00
	M. J. Wright, jr.	Traveling expenses	28.45
	Patek F. Lyons	do	21.58
	Pay roll, Galveston, Tex.	Substation salaries	30.00
19	E. S. Levy	Office rent	100.00
	Jas. F. Woodworth	Erecting storm tower	50.00
	J. A. Barnes	Coal	112.50
	B. P. Clapp Ammonia Co.	Anhydrous ammonia	13.50
	Houghton & Delano	Supplies	4.98
	M. G. Copeland	Pennants	3.90
	J. Baumgarten & Sons	Rubber stamps	8.95
	R. B. Clarke Co.	Millinet	.87
	J. C. Entwistle	Engraving	7.50
	R. C. Ballantyne	Waste basket	16.12
	Flint & Walling Manufacturing Co.	Sill plates, etc	5.40
	Hoke Engraving Plate Co.	Recoating plates	77.25
	do	do	37.50
	do	do	87.50
	do	Stereotype metal	33.40
	do	do	42.67
	A. E. Drinkwater	Repairs to telegraph lines	5.00
	American Type Founders' Co.	Steel gauge pins	6.84
	Chas. E. Johnson Co.	Lithographic ink	75.00
	Universal Supply Co.	Printing	110.00
	Barnhart Bros. & Spindler	Type	1.69
	do	do	25.73
	J. W. Holmes	Repairing telegraph lines	3.00
	Alfred Smith	Cordwood	7.00
	Bendernagle & Co.	Recasting rollers	1.50
	Union Photo Engraving Co.	Tone plates	18.90
	G. F. O. Marklins	Removing wire cable	5.00
	F. M. McKeough	Recasting rollers, etc	4.00
	Santa Fe, Prescott and Phoenix Rwy. Co.	Passenger transportation	73.00
	The Manistee and North Eastern R. R. Co.	do	1.61
	W. G. Burns	Traveling expenses	28.30
	Postal Telegraph Cable Co.	Telegraph service	.20
20	do	do	278.31
	Ray C. Johnson	Traveling expenses	13.60
	Norman B. Conger	do	4.50
	do	do	6.50
	H. McP. Baldwin	do	6.40
	C. P. Cronk	Office expenses	8.25
	Chesapeake and Ohio Rwy. Co.	Passenger transportation	39.20
	Lake Shore and Michigan Southern Rwy. Co.	do	11.00
	Louisville and Nashville R. R. Co.	do	12.40
	Pennsylvania Co.	do	17.50
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co.	do	21.10
	Wabash R. R. Co.	Transportation	.56
	Steamer Lafourche	do	.50
	Virginia and Truckee R. R. Co.	do	3.23
	Lower coasts packets	do	.50
	Missouri Pacific Rwy. Co.	do	.86
	Vandalia Line	do	.37
	New Bedford, Marthas Vineyard and Nantucket Steamboat Co.	do	1.86
31	W. F. R. Phillips et al.	Salaries	277.90
	B. F. Larcombe et al.	do	2,747.95
	Total second quarter		76,884.16

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Jan. 3	Michael O'Leary	Sand	\$1.50
	W. B. Moses & Sons	Furniture	48.95
	do	do	93.25
	Geo. F. Muth & Co.	Oil	8.56
	S. P. Johnson	Typewriter	69.75
	R. C. Ballantyne	Paper	53.75
	Jas. B. Lambie	Belt lacing	.98
	do	Brass rods, etc.	5.98
	M. Du Perow	Oil	3.60
	Louis Hartig	Tacks	4.75
	Southern Rwy. Co	Passenger transportation	74.70
	United States Express Co	Transportation	53.46
	do	do	28.08
	do	do	20.66
	Norfolk and Southern R. R. Co	do	2.07
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	2.21
	Burlington and Missouri River R. R. in Nebraska.	do	16.71
	Richmond, Fredericksburg and Potomac R. R. Co.	Transportation	.26
	Pennsylvania R. R. Co	do	.85
	Harry Overstreet	do	.36
	Star Union Line	do	.51
	do	do	.56
4	Delaware, Lackawanna and Western R. R.	Passenger transportation	4.07
	Flint & Walling Manufacturing Co	Steel signal towers	256.32
	Henry J. Green	Services	1.50
	Merrill Stevens Engraving Co	do	14.08
	Frank Golart, jr.	do	3.00
	Wm. Roche	Navy cells	14.40
	C. C. Fagan	Erecting storm tower	28.00
	The Muzzy-Lyon Co	Repairs to scroll-saw belt	1.00
	Chas. Cummings	Services	6.00
	Yates & Co.	Oil	1.90
	Wm. Pruffrock	Repairing instrument stand	7.50
	F. L. Ewing	Renovating office	29.75
	Weston Electrical Instrument Co	Weston relay	25.00
	Fred. M. Locke	Insulators, etc.	7.60
	E. F. Sanguinette	Painting instrument shelters	25.00
	L. H. Kurtz	Sash cord	1.22
	Thos. J. Tillett	Oil	3.00
	Jno. Cooper	Cleaning carpet, etc.	6.80
	Claude L. Friel	Printing climate report, etc.	11.00
	Wm. D. Lewis	Erecting storm tower	35.00
	W. E. Robinson	do	40.00
	W. M. Hinson	Gasoline	1.00
	Emil Tietgen	Erection of storm tower	65.00
	Hibben-Hill Boiler Works	do	68.00
	D. B. Bancroft	Repairs to clock	2.50
5	Albert Brand	Office expenses	29.10
	J. C. Piercy	do	1.35
	C. P. Cronk	do	61.00
	J. P. Fallihee	do	2.50
	H. K. Holcomb	do	1.25
	Jas. Kenealy	Traveling expenses	3.45
	W. T. Blythe	do	10.55
	H. C. Bate	do	3.00
	H. B. Boyer	do	5.43
	R. A. Fessenden	do	21.75
	do	do	9.30
	M. E. Blystone	do	7.75
	Jno. J. Games	do	5.55
	Chas. A. Blummer	Services	15.00
	J. W. Branan	do	15.00
	Barnhart Bros. & Spindler	Supplies	4.44
	E. S. Beardsley	Ink, etc.	3.50
	Chas. A. Kimball	Erecting storm warning signals	70.00
	C. B. Brown & Co.	Copper wire	5.75
	C. H. Turner	Gas stove	4.00
	Jno. C. Castor	Services	15.00
	Frank Golart, jr.	Repairing telegraph lines	2.00
	Western Union Telegraph Co	do	4.30
	The Bell Telephone Co. of Buffalo, N. Y.	Telephone rent	12.50
	Telegraph Co. of South Jersey	do	5.00
	The Southwestern Telegraph and Telephone Co.	do	9.00
	Pennsylvania Telephone Co.	do	20.00
	La Crosse Telephone Co	do	7.50
	Wisconsin Telephone Co.	do	3.75

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. Jan. 5	The Pacific States Telephone and Telegraph Co.	Telephone service .....	\$3.60
	Southern Bell Telephone and Telegraph Co.	do .....	3.00
	Lynchburg Telephone Co.	do .....	3.00
	The South New England Telephone Co.	do .....	27.00
	Ontario Telephone Co.	do .....	7.50
	The Empire State Telephone and Telegraph Co.	do .....	15.00
	The Bell Telephone Co. of Philadelphia	do .....	30.00
	South Bell Telephone and Telegraph Co.	do .....	10.00
	The Northwestern Telephone Exchange Co.	do .....	9.00
	Sunset Telephone and Telegraph Co.	do .....	6.00
	Pay roll, Sandusky, Ohio.	Substation salaries .....	37.26
	Pay roll, Alpena, Mich.	do .....	49.68
	Pay roll, New Haven, Conn.	do .....	48.00
	Pay roll, Philadelphia, Pa.	do .....	69.00
	Boston and Albany R. R. Co.	Passenger transportation .....	3.76
	Baltimore and Ohio R. R. Co.	do .....	32.95
	Michigan Central R. R. Co.	do .....	5.01
	Chicago Auditorium Association.	Office rent .....	450.00
	Prudential Building Co.	do .....	89.98
	Guarantee Building Co.	do .....	44.99
	The Citizens' Bank of Norfolk	do .....	131.25
	Ella W. Daniels	do .....	87.50
	E. J. Davenport	do .....	100.00
	E. P. Jones	do .....	25.00
	A. J. Knight	do .....	82.19
	E. H. Jamieson	do .....	135.00
	A. C. Rackliffe	do .....	75.00
	Walla Walla Lodge, No. 56, I. O. O. F.	do .....	84.87
	Syree & Wilkins, agents	do .....	67.50
	Dent & Butler	do .....	105.00
	Conrad National Bank	do .....	67.50
	R. McLaughlin	do .....	150.00
	The Indianapolis Gas Co.	do .....	250.00
	The Farmers' National Bank of Fresno	do .....	115.00
	Elizabeth L. Renoe	do .....	100.00
	Mary C. Pratt et al.	do .....	93.75
	Ulysses G. Myers	do .....	175.00
	C. M. Beeson	do .....	88.91
	Maggie French	do .....	59.20
	Geo. L. Lovett	do .....	105.00
	Benj. M. Jacobs	do .....	30.00
	Wm. Pollman	do .....	87.50
	B. D. Johnson	do .....	63.00
7	Warfield & Dunn	do .....	75.00
	Mill Valley and Mount Tamalpais Scenic Rwy.	do .....	105.00
	H. H. Taylor, agent	do .....	322.50
	Columbia Building Co.	do .....	87.50
	Geo. Edw'd. Shaw	do .....	70.00
	Jas. L. Connell	do .....	118.75
	H. Overholzer	do .....	127.50
	Pacific Club	do .....	67.50
	Orson Adams, jr.	do .....	120.00
	Ray G. Lewis	do .....	5.00
	Lorenzo Littlefield	do .....	64.99
	Real Estate and Law Building Co.	do .....	43.75
	E. S. Huges & Co.	do .....	106.11
	T. M. Jeffres & Co.	do .....	100.00
	Sam B. and Anne E. Hicks	do .....	120.00
	O. J. Maris	do .....	67.50
	T. B. Catron	do .....	105.00
	Peter Sonna	do .....	120.00
	Jno. E. Dooley	do .....	150.00
	H. Wollenberg, administrator	do .....	77.25
	The Gamble-Desmond	do .....	100.00
	A. W. Kenne	do .....	42.00
	F. E. Warren Mercantile Co.	do .....	129.40
	School District, Fort Smith, Ark.	do .....	20.00
	Bunce & Hams	do .....	90.00
	Edgar Harding	do .....	87.50
	D. Horton	do .....	120.00
	Rocky Mountain Bell Telephone Co.	Telephone rent .....	10.50
	do.	Telephone service .....	8.25
	The International Telephone and Telegraph Co.	Telephone rent .....	9.00
	Cumberland Telephone and Telegraph Co.	Telephone service .....	16.50
	Southwestern Telegraph and Telephone Co.	Telephone rent .....	15.00



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Jan. 7	Southwestern Telegraph and Telephone Co	Telephone rent	\$15.00
	Michigan Telephone Co	do	6.00
	do	do	2.50
	Citizens' Telephone Co	do	6.00
	Pacific States Telephone and Telegraph Co.	Telephone service	25.50
	The Bell Telephone Co., of Buffalo	do	9.00
	Missouri and Kansas Telephone Co	do	18.00
	Dodge City Telephone Co	do	3.00
	Santa Fe Electric Telephone Co	do	6.00
	Missouri and Kansas Telephone Co	do	3.00
	E. D. Beattie	Printing bulletins	36.00
	Jacob Weltmer	Office supplies	6.40
	C. W. Byrnes	Washing towels	3.00
	Amelia McLean	do	3.00
	M. J. Greer	do	1.50
	The J. F. W. Dorman Co	Clasps	17.00
	Eagle Ironworks	Erecting storm tower	71.46
	Alabama Iron Works	do	212.00
	Barnhart Bros. & Spindler	Type	7.65
	Hannibal and St. Joseph R. R. Co	Passenger transportation	8.50
	Hoke Engraving Plate Co.	Recoating plates	62.50
	American Type Founders Co.	Supplies for printing office	17.65
	W. H. Adams	Repairing telegraph lines	2.00
	Ira W. Appleton	do	2.00
	Portage Lake Hardware Co., Limited	Snow shovels, etc	1.10
	Jas. Hunter	Drayage	2.00
	Geo. Draper	Oil	8.25
	Seligman Bros	Window shades	17.50
	do	Carpet	80.00
	Simon Nusbaum, postmaster	Rent of post-office box	1.50
	Rosenthal & Rubin	Picture molding	5.44
	Thos. E. Hines	Coal, wood, oil	56.37
	George Meier & Co	Gum arabic	2.20
	A. B. Pittman	Services	10.00
	Jas. Gibbons	do	8.00
	A. L. Osborn	Remodeling map frames	6.00
	J. H. Myers	Shelving	18.00
	W. M. McConahay	Cleaning clock	2.50
	E. W. Christensen	Moving office	15.50
	Grant Rivenburg	Ice	3.22
	Union Ice Co	do	18.40
	Tampa Electric Co	Electric light	5.00
	San Antonio Gas and Electric Co	Electric current	6.25
	Menomonee Electric Light, Railway and Power Co.	Electric light	3.50
	Ashland Light, Power and Street Railway Co.	do	5.00
	Indianapolis Light and Power Co	Electric power	18.00
	E. A. Born	Electricity	6.00
	A. Hamacek	Electric light	5.00
	E. A. Hughes	Lamps and droplight	7.00
9	Western Union Telegraph Co	Telegraph service	13,540.66
11	Richd. A. Shaw	Cleaning weather maps	5.00
	Martha Carter	do	5.00
	Wm. B. Stockman	Office expenses	46.50
	Geo. Cumberland	Dressing gaff of signal mast, etc	15.00
16	Walter Scott & Co	Repairing lithographic press	64.20
	Barnhart Bros. & Spindler	Brass rule	26.25
	Chas. E. Motley	Support for lanterns	2.00
	Banner Laundering Co	Washing towels	6.00
	The American Toilet Supply Co	do	2.25
	M. A. Graham	do	1.50
	Mary Fantleroy	do	1.50
	R. C. Warinner	do	3.00
	P. C. Shaw	Clean towel supply	6.00
	Baltimore Towel Supply Co	Washing towels	2.25
	J. F. Beck	do	3.00
	The Woodford Telephone Co	Telephone service	5.00
	New England Telephone and Telegraph Co.	do	9.00
	Central Union Telephone Co	do	40.50
	Pacific States Telephone and Telegraph Co.	do	22.50
	do	do	7.50
	Black Hills Telegraph and Telephone Co.	do	21.00
	Interstate Telephone and Telegraph Co.	do	4.50
	Central Union Telephone Co	do	10.50
	The Central District and Printing Telegraph Co.	do	34.25
	The Colorado Telephone Co	do	13.50
	Chicago Telephone Co	do	57.50

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. Jan. 16	Delaware and Atlantic Telegraph and Telephone Co.	Telephone service .....	\$12.00
	New York and Pennsylvania Telegraph and Telephone Co.	do .....	21.00
	Cumberland Telephone and Telegraph Co.	do .....	10.00
	do .....	do .....	30.00
	do .....	do .....	12.00
	The City and Suburban Telegraph Co.	do .....	21.00
	Southwestern Telegraph and Telephone Co.	do .....	9.00
	New York Telephone Co.	do .....	60.00
	Southern States Telephone Co.	do .....	7.50
	Southern Bell Telephone and Telegraph Co.	do .....	20.00
	do .....	do .....	13.50
	do .....	do .....	15.00
	do .....	do .....	4.50
	Iowa Telephone Co.	do .....	36.00
	Columbia Telephone Co.	do .....	10.50
	Michigan Telephone Co.	do .....	34.50
	do .....	do .....	4.50
	F. L. Keating	Office rent .....	90.00
	Jno. Semer	do .....	114.00
	Margt. Parmentier	do .....	75.00
	Union Trust Building Co., Limited	do .....	55.83
	do .....	do .....	229.17
	Henry Bolton	do .....	52.84
	C. L. McLaury et al.	do .....	69.00
	Jno. G. Brown	do .....	75.00
	Adam Geiger	do .....	37.33
	B. S. Williams	do .....	26.67
	do .....	do .....	24.33
	W. D. Grant	do .....	225.00
	Portland Trust Co. of Oregon	do .....	210.00
	J. L. Manning	do .....	59.32
	American Surety Co.	do .....	625.00
	C. Wiser	Carriage for typewriter .....	5.00
	American Typefounders Co.	Leads .....	.69
	Hoke Engraving Plate Co.	Supplies .....	15.40
	Bell Chalk Plate Co.	Recoating plates .....	9.00
	Chas. E. Johnson Co.	Lithographic ink .....	17.50
	C. S. Braisted	Pencils, etc .....	123.64
	Chas. E. Johnson Co.	Lithographic ink .....	37.50
	Schneider Bros.	Repairs to thermometers .....	30.00
	Julien P. Freiz.	Repairs to anemometers .....	373.50
	The Chesapeake Electric Co.	Copper wire .....	19.24
	Davis Hunt & Co.	Pulley block .....	2.55
	The J. M. Carpenter Tap and Die Co.	Supplies .....	16.90
	Weston Electrical Instrument Co.	do .....	50.00
	Jas. Hunter	Repairs to building .....	30.00
	Sprague Electric Co.	Electric motor .....	68.20
	The Kenosha Gas and Electric Co.	Electric lights .....	5.00
	Washburn Electric Light and Power Co.	do .....	4.00
	Georgetown Electric Co.	do .....	2.25
	Marias Lumber Co.	do .....	6.00
	Grand Haven City Electric Light Co.	do .....	3.73
	United Electric Light Power Co.	do .....	24.00
	P. H. Cheney & Son	Electricity .....	4.66
	H. L. Pittock	Electric current .....	18.00
	Charleston Consol. Rwy. Gas and Electric Co.	do .....	3.00
	Vicksburg R. R. Power and Manufacturing Co.	do .....	9.00
	Ladington Electric Light and Power Co.	do .....	7.50
	The Portland Gas Co.	Gas .....	13.50
	Buffalo Gas Co.	do .....	8.50
	Mill Valley, Mount Tamalpais Scenic Rwy. Co.	Cleaning office .....	15.00
	Eliz. L. Renoe	Office expenses .....	3.00
	C. E. Hesse	do .....	15.50
	R. A. Fessenden	do .....	2.75
	A. H. Thiessen	do .....	15.50
	G. H. Willson	do .....	.75
	Alex G. McAdie	do .....	2.05
	E. A. Nimmo	do .....	.50
	D. C. Grunow	do .....	1.35
	Geo. Reeder	do .....	1.70
	Eliz. L. Renoe	do .....	.75
	Pay roll, Harrisburg, Pa.	Substation salaries .....	42.00
	Pay roll, Norfolk, Va.	do .....	105.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Jan. 16	C. T. Dagwell .....	Services .....	\$58.76
	Jno. T. Myers .....	do .....	15.00
	Kate O'Toole .....	do .....	4.50
	E. M. Minehart .....	Traveling expenses .....	3.00
	S. W. Glenn .....	do .....	6.00
	Jno. D. Blagden .....	do .....	30.10
	A. H. Thiessen .....	do .....	9.20
	W. M. Fulton .....	do .....	15.50
	H. E. Hobbs .....	do .....	7.45
	E. H. Emery .....	do .....	2.38
	Conrad E. Hesse .....	do .....	6.70
17	Zetta Higgins .....	Services .....	30.00
	G. F. Lozier .....	do .....	12.00
	E. J. Kelliher .....	do .....	15.00
	W. T. Tubeville .....	do .....	15.00
	Jno. S. Barney .....	do .....	49.35
	Mary E. Shelden .....	Office rent .....	93.75
	Homer W. Styron .....	do .....	38.62
	M. E. Conway .....	do .....	37.74
	Tacoma Chamber of Commerce and Board of Trade .....	do .....	60.00
	Pay roll, Pensacola, Fla .....	Substations, salaries .....	36.00
	Pay roll, Charleston, S. C .....	do .....	67.50
	Pay roll, Tampa, Fla .....	do .....	1.00
	Pay roll, Pittsburg, Pa .....	do .....	334.00
	Pay roll, Buffalo, N. Y .....	do .....	101.82
	Pay roll, Baltimore, Md .....	do .....	45.00
	Pay roll, New York, N. Y .....	do .....	38.87
	Pay roll, Cleveland, Ohio .....	do .....	76.94
	Pay roll, Baltimore, Md .....	do .....	45.00
	Michael O'Leary .....	Sand .....	1.50
	Mackall Bros .....	Sodium hyposulphite .....	2.77
	W. S. Jenks .....	Oil heaters .....	14.00
	Geo. F. Muth & Co .....	White lead .....	1.19
	Thos. W. Smith .....	Work on telegraph mast .....	40.00
	National Electric Supply Co .....	Lamps, etc .....	6.20
	R. Carter Ballantyne .....	Shipping tags .....	5.48
	Jno. C. Parker .....	Paper .....	15.00
	do .....	Erasers .....	2,961.44
	Union Typewriter and Supplies Co .....	Drawband, etc .....	.90
	Smith Premier Typewriter Co .....	Platen and brush .....	2.50
	The Maurice Joyce Engraving Co .....	Photo-engraving .....	32.43
	do .....	do .....	11.32
	do .....	Electrotype plates .....	28.13
	do .....	Photo engraving plate .....	1.95
	W. B. Moses & Sons .....	Furniture .....	131.48
	do .....	do .....	39.95
	J. Baumgarten & Sons .....	Rubber stamps .....	.67
	Broderick Bros .....	Rags .....	14.00
	S. A. Potter .....	Use of ground at Arlington .....	30.00
	Standard Oil Co .....	Benzine .....	6.70
	O. J. Maigne .....	Recasting rollers .....	17.92
	Jas. B. Lamble .....	Grindstone .....	1.50
	Clark & Davenport .....	Making carpet, etc .....	74.57
	M. G. Copeland .....	Flags .....	543.68
	Ohio River Telephone Line .....	Telephone service .....	5.00
	Iowa Telephone Line .....	Telephone rent .....	13.50
	Michigan Telephone Line .....	do .....	12.00
	do .....	Telephone services .....	9.00
	Southern Bell Telephone and Telegraph Co .....	Telephone rent .....	7.50
	R. L. Lewis .....	Telephone services .....	18.75
	The Bell Telephone Co. of Missouri .....	do .....	16.25
	Rising Sun Telegraph Line .....	Telegraph service .....	2.50
	Corvallis & Eastern R. R. Co .....	do .....	2.50
	Ocean Tow Boat Line .....	do .....	2.25
	The Geo. W. Knox Express Co .....	Freight .....	1.13
	O. J. Glenn .....	Drayage .....	2.65
	Atlantic Coast Line R. R. Co .....	Passenger transportation .....	2.50
	Houston & Texas Central R. R. Co .....	do .....	19.85
	New Bedford, Marthas Vineyard & Nan- tucket S. B. Co .....	do .....	3.60
	Oregon Short Line R. R. Co .....	do .....	16.00
	Pere Marquette R. R. Co .....	do .....	5.45
	Southern Rwy. Co .....	do .....	17.50
	Adams Express Co .....	Transportation .....	80.01
18	E. A. Robertson .....	Repairs to clock .....	5.00
	Jas. K. Lemon & Son .....	do .....	5.00
	Flint & Walling Manufacturing Co .....	Flagstaff .....	22.75
	W. F. Jones .....	Erecting storm tower .....	95.00
	B. S. Partridge .....	do .....	65.00



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Jan. 18	McCormick & Bates .....	Hauling .....	\$0.50
	Peoples Gas Light and Coke Co .....	Gas .....	7.20
	E. F. Sanguinetti .....	Coal oil matches .....	8.00
	C. J. Oyler .....	Washing towels, etc .....	4.50
	H. C. Hotfitter .....	Repairing clock .....	1.50
	O. C. Johnson .....	Wood and brooms .....	11.50
	P. Minor .....	Ice .....	5.25
	F. L. Ewing .....	do .....	8.50
	Consumers' Ice Co. ....	do .....	3.95
	The Silver State Towel Supply Co. ....	Towelservice .....	2.25
	W. T. Hayden .....	do .....	3.00
	C. Ouyrard .....	Lamps .....	121.59
	City Light and Power Commission .....	Electric lights .....	9.06
	Fxcelisior Electric Co. ....	do .....	2.45
	Edison Sault Electric Co .....	do .....	24.79
	Thos. W. Pemberton .....	do .....	5.10
	Board of Fire and Water Commissioners .....	do .....	5.00
	Arizona Publishing Co. ....	Printing monthly reports .....	63.00
	McEwen & Lanver .....	Wood .....	3.90
	Board of Public Works, Sault Ste. Marie .....	Water .....	3.50
	C. B. Little .....	do .....	11.00
	Wm. E. Roney .....	Telephone rent .....	12.00
	Michigan Telephone Co. ....	do .....	6.00
	The Chesapeake and Potomac Telephone Co. ....	do .....	31.25
	Union Telephone Co. ....	do .....	5.00
	East Tennessee Telephone Co. ....	do .....	10.50
	Capital Telephone and Telegraph Co .....	do .....	4.50
	Sunset Telephone and Telegraph Co .....	do .....	6.80
	Cumberland Telephone and Telegraph Co .....	do .....	21.00
	The Colorado Telephone Co .....	do .....	22.50
	Luke & Smith .....	Rent of office .....	75.00
	Albert Marty .....	do .....	165.00
	Jas. K. Porter .....	do .....	150.00
	Geo. M. Chappel .....	Traveling expenses .....	15.25
	J. M. Sherier .....	do .....	8.25
	R. M. Hardinge .....	Office expenses .....	1.50
	David Cuthbertson .....	do .....	3.96
	Pay roll, Boston, Mass. ....	Substation salaries .....	638.25
	Pay roll, Shreveport, La .....	do .....	28.00
	Pay roll, La Crosse, Wis .....	do .....	63.00
21	Geo. H. Orr .....	Services .....	12.42
	Pay roll, Vicksburg, Miss .....	Substation salaries .....	73.27
	Flint and Walling Manufacturing Co. ....	Signal tower, etc .....	49.55
	A. Salzman .....	Repairing clock .....	2.50
	Barnhart Bros. & Spindler .....	Brass rule .....	1.80
	American Bicycle Co. ....	Steel balls .....	.24
	A. Lillyblade .....	Bookcases .....	45.00
	Jas. G. Biddle .....	Electric supplies .....	80.00
	Nebraska Telephone Co .....	Telephone service .....	14.00
	Cumberland Telephone and Telegraph Co .....	Telephone rent .....	29.85
	Joseph Gassenhover .....	Office rent .....	90.00
	City of Palestine, Tex .....	do .....	78.50
	Kate F. Coke .....	do .....	60.00
	Chamber of Commerce Building Co. ....	do .....	93.21
22	J. W. Bauer .....	Office expenses .....	1.00
	O. B. Hart .....	Traveling expenses .....	9.50
	Chas. E. Linney .....	do .....	32.20
	Homer K. Plough .....	Services .....	12.42
	Ed. Kendall .....	do .....	24.84
	Johnston Barrett .....	do .....	8.00
	Lizzie A. Chidester .....	do .....	9.00
	M. M. Laidley .....	do .....	21.00
	Thos. A. Boon .....	do .....	30.00
	Una V. Hendrix .....	do .....	21.00
	C. P. Disney .....	do .....	21.00
	N. W. Wagner .....	do .....	21.00
	Chas. P. Blachly .....	do .....	9.00
	Jas. Evans .....	do .....	9.00
	Pay roll, Cincinnati, Ohio .....	Substation salaries .....	195.50
	Pay roll, Charleston, S. C .....	do .....	18.00
	Pay roll, Portland, Oreg .....	do .....	55.00
	Pay roll, Raleigh, N. C .....	do .....	66.00
	Pay roll, Mobile, Ala .....	do .....	75.00
	Pay roll, Augusta, Ga .....	do .....	42.00
	Pay roll, Fort Smith, Ark .....	do .....	39.00
	Pay roll, Cairo, Ill .....	do .....	131.90
	The Marquette County Savings Co .....	Office rent .....	81.29
	Estate of Isaac Eberly .....	do .....	154.00
	First National Bank of Morehead .....	do .....	66.31
	Northwestern Mutual Life Insurance Co. ....	do .....	100.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Jan. 22	Northwestern Mutual Life Insurance Co.	Office rent	\$8.00
	American Linen Supply Co	Towel service	3.00
	Nashville Laundry Co	do	1.80
	Nashville Gas Co	Gas	11.30
	New Orleans Gas Light Co.	do	18.84
	Alpena Electric Light Co.	Electric light	5.00
	Cumberland Electric Light and Power Co.	do	15.00
	Charlevoix Electric Light Plant	do	4.50
	The Electric Co	do	.85
	E. A. Hughes	do	9.00
	Jas. L. Fulton	Drayage	1.50
	Wm. McLaughlin	do	1.75
	Georgetown and Western R. R. Co	Passenger transportation	2.50
	Southern Bell Telephone and Telegraph Co	Rent of telephone	7.50
	The Northwestern Telephone and Telegraph Exchange Co.	do	9.00
	Hudson River Telephone Co	Service	16.50
	Missouri and Kansas Telephone Co.	do	30.00
	H. C. Hansen	Brass rule	5.26
	Christina Peterson	Brooms	1.00
	Babbitt, Wood & Co	Erecting storm tower	60.00
	Morgan Iron Works	do	75.00
	Wm. G. Manter	do	100.00
	E. A. Brandes	Repairing instrument shelter	1.75
	W. T. Crenshaw	Repairing typewriter	12.00
23	Geo. M. Hubenger	Towel service	3.00
	Smith & Farwell Co.	Renovating carpet	5.00
	Raleigh Electric Co	Electric current	4.50
	E. G. Willyoung	Supplies for testing instruments.	82.75
	Statesmen Printing Co	Printing crop reports, etc.	71.50
	Omaha Towel Co	Towel service	3.00
	Pacific States Telephone and Telegraph Co.	Telephone service	1.55
	Nebraska Telephone Co	Telephone rent	15.00
	East Tennessee Telephone Co	do	9.00
	People's Telephone and Telegraph Co	do	7.50
	Wisconsin Telephone Co	Telephone service	18.00
	Duluth Telephone Co	do	22.50
	Southern Bell Telephone and Telegraph Co	do	12.00
	do	do	17.00
	do	do	10.00
	The Northwestern Telephone and Telegraph Exchange Co.	do	18.00
	Mobile and Ohio R. R. Co	Passenger transportation	9.30
	Pay roll, New Orleans, La	Substation salaries	84.00
	Pay roll, Wilmington, N. C.	do	72.00
	Pay roll, Savannah, Ga.	do	61.00
	Pay roll, Narragansett Pier, R. I.	do	90.00
	Pay roll, Portland, Oreg	do	65.00
	Pay roll, New Orleans, La	do	63.23
	Jas. J. Morrell	Services	3.87
	H. L. Holden	do	23.87
	D. C. Grunow	Traveling expenses	6.25
	C. W. Ling	do	28.25
	Jno. D. Blagden	do	19.20
	H. F. Alciator	do	8.45
24	Fredk. Springmann	Transportation	20.63
	do	do	13.69
	Marcus Sanchez	Services	15.00
	L. Rogers	do	15.00
	B. F. Modisett	do	30.00
	Amarillo Improvement Co	Office rent	30.00
	Society of Savings	do	285.00
	Bank and Insurance Building Co.	do	100.00
	Barnhart Bros. & Spindler	Brass rule	2.24
	do	Supplies	2.90
	American Type Founders' Co	Type	6.50
	do	do	3.15
	Southern Bell Telephone and Telegraph Co.	Telephone service	2.85
	Southwestern Telegraph and Telephone Co.	Telephone rent	9.00
	East Tennessee Telephone Co.	Telephone service	9.00
	Meridian Telephone Co	do	6.00
	Missouri and Kansas Telephone Co.	do	9.00
	Sunset Telephone and Telegraph Co	do	6.00
	do	Telephone rent	15.00
	Island Telephone and Telegraph Co	do	18.00
	Raleigh Telephone Exchange	do	7.50
	New York and Pennsylvania Telephone and Telegraph Co.	do	6.75
	Cleveland Telephone Co	do	18.00

## 198 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Jan. 24	Geo. Meier Co .....	Lithographic varnish .....	\$6.65
	Union Typewriter and Supplies Co. ....	Roller for typewriter .....	2.00
	Standard Gas and Electric Co. ....	Gas .....	12.30
	Electric Lighting Co. of Mobile .....	Rent of meter .....	.75
	Wagner Electric Manufacturing Co. ....	Electric motor .....	80.00
	Peninsular Electric Light and Power Co.	Rent of meter .....	6.72
	Mutual Ice Delivery Co. ....	Ice .....	3.90
	T. B. Satter-White & Co. ....	do .....	2.55
	The Okonite Co., Limited .....	Wire .....	102.00
	Northern Pacific Rwy. Co. ....	Passenger transportation .....	5.20
	Black & Clark .....	Shelving .....	6.50
	Henry Fair .....	Laying carpet .....	4.50
25	J. P. Nawrath .....	Twine .....	79.44
	Thos. S. Handley .....	Instrument shelter .....	3.00
	M. A. Adsitt .....	Repairs to typewriter .....	1.20
	Ed. Ketchum .....	Moving office .....	285.00
	Max Levy .....	Services .....	40.00
	F. J. Hart .....	do .....	10.00
	Badger State Printers Roller Co. ....	Recasting rollers .....	3.00
	C. S. Clinton .....	Cleaning thermograph .....	1.00
	American Type Founders Co. ....	Type, etc. ....	8.27
	Broadwater Pepin Co. ....	Desk rug .....	5.00
	Saml. J. Yarger .....	Staple case .....	.53
	Adams & Halpien .....	Repairs to furniture .....	6.85
	N. B. Floyd .....	Erecting river gauge .....	12.00
	W. A. Ricard .....	Repairs to thermograph clock .....	4.00
	T. W. Ruete .....	Wood alcohol .....	1.25
	Bieg & Rood .....	Ink .....	.90
	Thos. Butler .....	Repairing telegraph line .....	4.00
	Jno. Lang .....	do .....	2.50
	Joe Coley .....	do .....	5.00
	H. A. Drinkwater .....	do .....	3.75
	Chas. W. Snow .....	Erecting storm tower .....	43.00
	Ed. B. Moore .....	Hauling .....	1.25
	E. L. Page .....	Delivering mail .....	3.50
	H. A. Broschard .....	do .....	3.25
	Danl. W. Kiug .....	do .....	3.75
	Kentucky Laundry Co. ....	Delivering mail .....	1.50
	W. S. Beldin .....	Office expenses .....	3.50
	E. C. Thompson .....	do .....	1.20
	W. S. Currier .....	do .....	2.00
	Geo. E. Grimes .....	do .....	1.45
	G. N. Wilson .....	do .....	.80
	Wm. Bell .....	do .....	3.00
	L. N. Jesunofsky .....	do .....	2.00
	A. E. Hackett .....	do .....	2.70
	W. S. Palmer .....	do .....	2.50
	J. H. Smith .....	do .....	13.00
	Oliver S. Fassig .....	do .....	1.50
	J. B. Marbury .....	do .....	3.25
	Fenton H. Duff .....	do .....	2.30
	Frank L. McClintic .....	do .....	2.15
	E. B. Richards .....	do .....	7.60
	J. P. Bolton .....	do .....	12.00
	W. M. Fulton .....	Traveling expenses .....	7.41
	do .....	do .....	30.01
	C. E. Hesse .....	do .....	4.60
	E. H. Emery .....	do .....	2.13
	Pay roll, Parkersburg, W. Va. ....	Substation, salaries .....	136.25
	Pay roll, Little Rock, Ark. ....	do .....	9.00
	do .....	do .....	42.00
	Pay roll, St. Louis, Mo. ....	do .....	104.55
	Pay roll, Augusta, Ga. ....	do .....	55.80
	Pay roll, Chattanooga, Tenn. ....	do .....	156.90
	Pay roll, Atlanta, Ga. ....	do .....	100.00
	Pay roll, Montgomery, Ala. ....	do .....	108.25
26	Willis L. Moore .....	Traveling expenses .....	19.80
29	Jno. C. Parker .....	Oil boards .....	51.26
	Jas. B. Lambie .....	Candle wick .....	2.50
	do .....	Rolled copper, etc. ....	92.13
	Postal Telegraph Cable Co. ....	Telegraph service .....	269.75
	Southern Rwy. Co. ....	Transportation .....	9.24
	Franklin & Co. ....	Field glass .....	54.00
	Wm. P. Herbst .....	Bottles .....	3.00
	M. G. Copeland & Co. ....	Flags .....	143.00
	S. P. Johnson .....	Caligraph .....	69.75
	Broderick Bros. ....	Rags .....	14.00
	Standard Oil Co. ....	Oil .....	6.88
	J. Edw. Turton .....	Instrument shelters .....	2,340.00
	W. B. Moses & Sons .....	Furniture .....	84.50



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Jan. 29	W. B. Moses & Sons .....	Furniture .....	\$53.60
	J. C. Entwistle .....	Engraving .....	7.50
	Dulin & Martin Co .....	Kettle .....	.65
	The Maurice Joyce Engraving Co .....	Electrotype plates .....	21.53
31	W. F. R. Phillips et al. ....	Salaries .....	284.20
	B. F. Larcombe et al. ....	do .....	2,829.75
Feb. 1	Michigan Telephone Co .....	Telephone rent .....	6.00
	Northwestern Telephone Exchange Co .....	do .....	18.00
	Sunset Telephone and Telegraph Co .....	Telephone services .....	15.00
	Alabama and Georgia Long-Distance Tele- phone Co. ....	do .....	21.20
	G. W. Finch .....	do .....	6.00
	Barron County Telephone Co .....	do .....	15.00
	Jackson and Rich Square Telephone Co .....	do .....	30.80
	W. H. Holmes .....	do .....	6.00
	Ohio River Telephone Co .....	do .....	5.00
	Rocky Mountain Bell Telephone Co .....	do .....	12.30
	Winton Telegraph Co .....	Telegraph service .....	7.70
	International Ocean Telegraph Co .....	do .....	129.05
	Isle of Wight Telephone and Telegraph Co .....	do .....	5.00
	do .....	do .....	4.60
	Ohio River R. R. Co .....	do .....	2.70
	The Central District and Printing Tele- graph Co. ....	do .....	6.00
	Pay roll, San Francisco, Cal .....	Substation, salaries .....	.50
	E. M. Bowman .....	Drayage .....	1.25
	California Truck Co .....	Hauling .....	7.75
	Pennsylvania R. R. Co .....	Passenger transportation .....	120.30
	H. L. Gilbert, county treasurer .....	Office rent .....	67.00
	Geo. S. Waite .....	do .....	119.82
	Bank of Tehama County .....	do .....	99.06
	Catherine Wilson .....	do .....	140.82
	J. F. Marck .....	Printing bulletins .....	13.75
	Union Typewriter and Supplies Co .....	Repairs to typewriter .....	5.90
	Henry J. Ledoux .....	Arbita water .....	3.30
	H. Brooker & Co .....	Kerosene oil, etc. ....	4.56
	Pounsford Stationery Co .....	Supplies .....	.68
	J. F. Jackson .....	Painting supports .....	5.50
	R. H. Vorpahl .....	Casting roller .....	2.95
	L. F. Willoughby .....	Casting rollers .....	3.40
	W. H. Renear .....	Use of horse and wagon .....	10.00
	W. H. H. Smith .....	do .....	17.00
	Jas. R. Hobb .....	Use of team .....	1.50
	E. E. Hayes .....	Use of horse and buggy .....	3.80
	Addressograph Co .....	Drum, pads, type, etc .....	3.81
	do .....	Ink .....	3.20
	Walsh & Brand .....	Services .....	65.00
	Wm. S. Hewitt .....	Case .....	48.00
	Wolfe & Co .....	File .....	35.00
	C. H. Whaley .....	Services .....	2.00
	Fred Albright .....	Use of horse .....	4.00
	Frank Golart, jr .....	Services .....	2.00
	H. G. Hart .....	do .....	4.00
	Los Angeles Lighting Co .....	Repairs to gas stove .....	3.75
	Chicago Edison Co .....	Electric light .....	6.13
	Minnesota International Electric Co .....	Electric current .....	15.00
	Lincoln Traction Co .....	do .....	13.50
	Julius Andrae & Sons Co .....	Labor and material .....	2.48
	O. C. G. Urban .....	Electric light .....	2.00
2	Western Union Telegraph Co .....	Telegraph service .....	15.00
	Aurora and Friendship Telephone Line .....	Telephone service .....	7.50
	do .....	do .....	5.40
	Cumberland Telephone and Telegraph Co .....	Telegraph service .....	38.00
	Chicago, Burlington and Quincy R. R. Co .....	do .....	5.60
	Minneapolis, St. Paul and Sault Ste. Marie Rwy Co. ....	do .....	19.26
	Jacksonville and St. Johns Bar Telegraph Line. ....	do .....	7.25
	East Tennessee Telephone Co .....	Telephone service .....	18.00
	Risingun Telephone Line .....	do .....	2.60
	Corvallis and Eastern R. R. Co .....	Telegraph service .....	2.50
	Almo Telephone Co .....	Telephone service .....	10.00
	Swedish American Telephone Co .....	Receiver .....	4.00
	Iowa Telephone Co .....	Telephone services .....	7.40
	Cumberland Telephone and Telegraph Co .....	do .....	153.20
	do .....	do .....	31.00
	The Bell Telephone Co. of Buffalo .....	do .....	2.75
	Kenelin Cheseedine .....	Removing property .....	150.00
	Bennett Bros. Co .....	Repairing table .....	1.00
	W. W. Best .....	Repairing telegraph line .....	.75

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Feb. 2	Jno. W. Holmes .....	Repairing telegraph line .....	\$1.50
	Universal Supply Co. ....	Ink .....	2.52
	Cornell University .....	Repairing furniture, etc. ....	42.50
	O. B. Hart .....	Office expenses .....	3.50
	Duluth, South Shore and Atlantic Rwy. Co.	Passenger transportation .....	11.00
	Pay roll, Chicago, Ill. ....	Substation, salaries .....	851.48
	Pay roll, Nashville, Tenn. ....	do .....	65.90
4	W. H. Brown .....	Hauling .....	.75
	A. A. Bolles .....	do .....	5.75
	Jas. A. Bryant .....	do .....	13.84
	L. Rogers .....	Use horse and cart .....	25.16
	Samuels Transfer and Storage Co. ....	Drayage .....	.75
	Michigan Central R. R. Co. ....	Passenger transportation .....	13.95
	Baltimore & Ohio R. R. Co. ....	do .....	22.00
	New York, New Haven and Hartford R. R. Co.	do .....	8.45
	Chicago, St. Paul, Minneapolis and Omaha Rwy. Co.	do .....	1.10
	The Wabash R. R. Co. ....	do .....	14.00
	Chicago and Northwestern Rwy. Co. ....	do .....	13.30
	International and Great Northern R. R. Co.	do .....	4.35
	Grand Trunk Rwy. System .....	do .....	3.58
	The Atchison, Topeka and Santa Fe Rwy. Co.	do .....	10.90
	Otto B. Hart .....	Office rent .....	24.00
	Frank D. Miracle .....	do .....	105.00
	Paine Bros. ....	do .....	73.75
	First National Bank .....	do .....	126.00
	Great North Western Telegraph Co. of Canada.	Telegraph services .....	321.27
	International Ocean Telegraph Co. ....	do .....	134.10
	Isle of Wight Telephone and Telegraph Co.	do .....	4.40
	The Bell Telephone Co. of Buffalo .....	Telephone services .....	5.50
	C. E. Broughton & Co. ....	Services .....	6.50
	Smith-Premier Typewriter Co. ....	Feed rollers .....	2.50
	Soo Hardware Co. ....	Coal scoop .....	.75
	Pacific States Telephone and Telegraph Co.	Batteries .....	2.50
	Paul Poynor .....	Services .....	12.75
	Portland General Electric Co. ....	Brushes .....	1.50
	E. D. Harrison .....	Repairing clock .....	2.00
	City Light and Power Co. ....	Services and electric supplies .....	12.51
	R. W. Luttrell .....	Services .....	9.75
	Jas. G. Biddle .....	Galvanometer mirrors .....	8.19
	F. O. Bailly & Co. ....	Repairs to self-register .....	1.40
	Hollivan and Parker .....	Services .....	2.10
	Jno. F. Magner .....	Repairs to telegraph line .....	5.00
	Curphey & Mundy .....	Rain-gauge supports .....	5.00
	Mittag & Volger .....	Carbon paper .....	90.00
	N. S. Magee & Co. ....	Coal .....	14.00
	Flint & Walling Manufacturing Co. ....	Express charges, etc. ....	6.00
	J. C. Stamp .....	Repairing typewriter .....	5.50
	J. F. Utley .....	Services .....	15.00
	Jno. S. Pinney .....	Supplies .....	10.85
	American Type Founders Co. ....	Mahogany blocks, etc. ....	7.79
	M. G. Coleman .....	Cleaning clock .....	1.50
	Norman A. Tedderly .....	River gauge .....	7.00
	Oskamp, Nolling & Co. ....	Repairing clock .....	1.50
	J. S. Bettis .....	Repairing river gauge .....	5.00
	W. W. Whyback .....	do .....	25.00
	J. O. Millham .....	Oiling floors, etc. ....	20.00
	Frederick & Nelson, Inc. ....	Letterpress stand .....	16.50
	Consolidated Electric Light Co. ....	Electric light .....	10.00
	E. F. Ruff .....	Washing towels .....	1.08
	S. E. Fisher .....	Services .....	20.00
	Chas. J. Dunn .....	do .....	23.00
	Bendernagel & Co. ....	Recasting rollers .....	3.00
	Bingham & Runge .....	do .....	3.00
	Thayer & Jackson Stationery Co. ....	Binding charts .....	9.00
	East Florida Printing Co. ....	Printing crop and climate report.	42.00
	H. A. Sparling .....	do .....	54.00
	J. M. Sutton .....	do .....	37.33
	Robt. A. Williamson .....	do .....	48.00
	E. D. Beattie .....	do .....	36.00
	New England Telephone and Telegraph Co.	Telephone rent .....	14.25
	Rocky Mountain Bell Telephone Co. ....	Telephone service .....	9.00
	Columbia Telephone Co. ....	Telephone rent .....	6.00
	Aurora and Friendship Telephone Line ..	Telephone service .....	7.80
	E. M. Uzzell .....	Casting rollers .....	3.75
	Hoke Engraving Plate Co. ....	Recoating plates .....	62.50
	do .....	do .....	62.50

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Feb. 4	Hoke Engraving Plate Co.....	Stereotype metal .....	\$29.40
	American Type Founders Co.....	Logotype zeros, etc .....	6.64
	Stickley-Brandt Furniture Co.....	Repairs to furniture .....	4.25
	L. H. Murdock .....	Office expenses .....	4.85
	H. B. Boyer .....	do .....	.25
	J. J. Killiker .....	do .....	2.21
	U. G. Pursell .....	do .....	.90
	T. F. Townsend .....	do .....	1.40
	F. P. Chaffee .....	do .....	.90
	T. S. Outram .....	do .....	3.76
	W. M. Wilson .....	do .....	4.25
	C. F. R. Wappenhaus .....	do .....	7.65
	S. W. Glenn .....	do .....	.75
	L. M. Pindell .....	do .....	3.00
	Alfred H. Thiessen .....	do .....	19.01
	do .....	do .....	13.91
	L. M. Tarr .....	do .....	11.30
	N. M. Cunningham .....	Traveling expenses .....	4.50
	Jas. H. Scarr .....	do .....	14.10
	W. M. Fulton .....	do .....	9.40
	Pay roll, Portland, Me.....	Substation, salaries .....	75.00
5	Frank Springmann.....	Transportation.....	10.22
7	Western Union Telegraph Co.....	Telegraph services.....	14, 149.02
	do .....	do .....	13, 660.58
8	L. H. Murdock .....	Traveling expenses .....	10.00
	Edw. P. Jones .....	do .....	33.70
	Jos. Sands .....	do .....	10.75
	A. H. Thiessen .....	do .....	7.95
	T. B. Jennings .....	Office expenses .....	4.25
	R. H. Dean .....	do .....	2.00
	Edw. A. Beals .....	do .....	6.20
	Geo. W. Felger .....	do .....	.75
	Geo. M. Chappel .....	do .....	1.55
	L. G. Schultz .....	do .....	3.45
	R. A. Fessenden .....	do .....	29.75
	F. H. Clarke .....	do .....	4.30
	Wm. M. Dudley .....	do .....	1.10
	J. W. Smith .....	do .....	4.20
	S. S. Bassler .....	do .....	1.50
	Wayland Bailey .....	do .....	2.20
	Cumberland Telephone and Telegraph Co.	Telegraph services.....	37.10
	Dakota Central Telephone Line .....	do .....	123.70
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	do .....	10.15
	Jacksonville and St. Johns Bar Telegraph Co.	do .....	9.25
	Ocean Towboat Line .....	do .....	4.00
	Philadelphia, Reading and Pottsville Telegraph Co.	do .....	21.45
	Enterprise Telegraph Co .....	do .....	10.40
	H. E. Wadsworth .....	do .....	72.82
	The Central District and Printing Telegraph Co.	do .....	6.20
	North Montana Telephone Co.....	Telephone services.....	23.10
	Bell Telephone Co. of Buffalo .....	do .....	2.20
	Utah and Pacific R. R. Co .....	do .....	3.25
	Washington County R. R. Co .....	Passenger transportation .....	8.00
	St. Louis and San Francisco R. R. Co.	do .....	9.10
	Pennsylvania Co .....	do .....	17.50
	Oregon Short Line R. R. Co .....	do .....	6.00
	Chicago Great Western Rwy. Co.....	do .....	12.30
	Duluth, South Shore and Atlantic Rwy. Co	do .....	13.13
	Ann Arbor R. R. Co .....	do .....	3.78
	Fred Albright .....	Use horse .....	2.00
	do .....	do .....	4.00
	H. G. Hart .....	Services .....	8.00
	Seth I. Davis .....	Labor .....	3.00
	Geo. Meier & Co .....	Rubber blankets .....	40.00
	Keystone Type Foundry .....	Tweezers .....	1.73
	Walter Scott & Co .....	Rubbers, printing office .....	2.19
	Kansas City and Southern Lumber Co	Instrument shelters.....	10.00
	Wm. Canfield .....	Renovating carpets .....	4.50
	Standard Oil Co .....	Oil, etc .....	11.14
	R. C. Francis .....	Painting .....	2.50
	Niel Ferguson .....	Drayage .....	3.80
	Davis Planing Mills Co.....	Battery cases .....	8.00
9	G. N. Salisbury .....	Office expenses .....	4.60
	C. P. Cronk .....	do .....	3.50
	H. W. Grasse .....	do .....	4.50
	R. A. Allen .....	do .....	19.00



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. Feb. 9	T. J. Considine .....	Office expenses .....	\$10.63
	I. M. Cline .....	do .....	5.90
	Marsden Wright .....	do .....	3.25
	E. H. Emery .....	do .....	19.50
	Pay roll, Jacksonville, Fla .....	Substations, salaries .....	80.00
	Pay roll, Galveston, Tex .....	do .....	30.00
	W. B. Stockman .....	Office expenses .....	43.50
	Ohio River R. R. Co .....	Telegraph services .....	4.55
	South Florida Telegraph Co .....	do .....	3.20
	Western Union Telegraph Co .....	do .....	54.72
	Chicago, Burlington and Quincy R. R. Co .....	do .....	2.71
	International Ocean Telegraph Co .....	do .....	167.36
	Postal Telegraph Cable Co .....	do .....	287.15
	do .....	do .....	280.17
	Geo. C. Maynard .....	do .....	62.56
	The Kelly Island and Sandusky Cable Co .....	do .....	9.50
	Atlanta and Georgia Long Distance Telephone Co .....	Telephone services .....	20.00
	Washington Steamboat Co .....	Transportation .....	10.75
	Norfolk and Washington, D. C., Steamboat Co .....	Passenger transportation .....	5.00
	Great Northern Rwy. Co .....	do .....	48.85
	Improvement Loan and Trust Co .....	Office rent .....	50.00
	Cedar City Furniture Co .....	do .....	67.95
	Jos. Bryan .....	do .....	150.00
	The Henry Walke Co .....	Supplies for station .....	18.33
	Eimer & Amend .....	do .....	1.35
	Jno. A. Roebling Sons Co .....	Cable .....	245.00
	do .....	Wire .....	13.12
	Ira Minnahan .....	Services .....	2.00
	W. L. Clark .....	Repairs to caligraph .....	2.00
	Edwin Hayte .....	Services .....	2.00
	The Smith Premier Typewriter Co .....	Repairing typewriter .....	3.00
	Geo. F. Muth & Co .....	White lead .....	11.90
	Rudolph West & Co .....	Screws .....	1.46
	Mackall Bros .....	Glycerine .....	3.35
	National Electrical Supply Co .....	Rheostat .....	6.50
	J. E. Turton .....	Oak pedestal .....	43.00
	R. Carter Ballantyne .....	Rubber bands .....	7.29
	The J. C. Ergood Co .....	Soap, etc .....	64.30
	The Maurice Joyce Engraving Co .....	Supplies for printing office .....	5.67
	do .....	do .....	10.91
	C. W. Davis & Bro .....	Type cabinet .....	9.00
	J. J. Rackley .....	Renovating furniture .....	25.00
	H. P. Moss .....	Letter-press stand .....	29.00
	Spaler & Glenn .....	Printing summary .....	62.50
	Jno. C. Parker .....	Brace for stand .....	1.00
	O'Neal & Son .....	Cleaning carpets, etc .....	4.50
	Jno. H. Hecker .....	Erecting storm tower .....	75.00
	Galveston Gas Co .....	Gas .....	14.10
	Max Levy .....	Electric current .....	30.00
	Southwestern Telegraph and Telephone Co .....	Telephone service .....	12.00
	Southern Bell Telephone and Telegraph Co .....	do .....	7.50
	A. B. Wood .....	Washing towels .....	3.00
11	Frank Springmann .....	Transportation .....	23.08
13	Merchants and Miners' Transportation Co .....	do .....	.38
	Duluth and Iron Range R. R. Co .....	do .....	.97
	International and Great Northern Rwy. Co .....	do .....	.78
	Lake Shore and Michigan Southern Rwy. Co .....	do .....	9.27
	Nashville, Chattanooga and St. Louis Rwy. Co .....	do .....	.83
	Pere Marquette R. R. Co .....	do .....	1.07
	do .....	do .....	5.52
	San Antonio and Aransas Pass Rwy. Co .....	do .....	1.55
	Chas. F. James .....	do .....	1.00
	The Santa Fe, Prescott and Phoenix Rwy. Co .....	do .....	5.50
	Southern Pacific Co .....	do .....	1.53
	Texas and Pacific Rwy. Co .....	do .....	1.60
	Louisville and Nashville R. R. Co .....	do .....	15.24
	do .....	do .....	1.34
	Wabash R. R. Co .....	do .....	1.82
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co .....	do .....	2.65
	Harry E. Overstreet .....	do .....	.99
	Anchor Line .....	do .....	2.76

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Feb. 13	Anchor Line .....	Transportation .....	\$2.00
	Steamer G. W. Danielson .....	do .....	1.74
	Alabama, Mississippi and Tennessee Tele- phone Co. ....	Telephone service .....	6.50
	do .....	do .....	6.25
	do .....	do .....	6.75
	New England Telephone and Telegraph Co .....	do .....	9.10
	Staunton Mutual Telephone Co .....	do .....	37.50
	Northern Telegraph Co .....	Telegraph service .....	15.30
	Ohio River R. R. Co .....	do .....	2.50
	Postal Telegraph-Cable Co., of Texas .....	do .....	18.16
	do .....	do .....	23.71
	Pay roll, Galveston, Tex .....	Substation, salaries .....	45.41
	Pay roll, New York, N. Y .....	do .....	35.00
	The Atchison, Topeka and Santa Fe Rwy. Co .....	Passenger transportation .....	29.45
	Grand Rapids and Indiana Rwy. Co .....	do .....	3.75
	Rawlins and Northwestern Stage Co .....	do .....	30.00
	A. B. Payne .....	Services .....	3.00
	T. B. Halloran .....	do .....	2.00
	Henry E. Craven .....	do .....	2.50
	C. H. Moffett .....	do .....	2.00
	D. D. Booze .....	do .....	1.50
	C. E. Hesse .....	Traveling expenses .....	30.00
	A. H. Thiessen .....	do .....	31.00
	C. E. Hasse .....	Office expenses .....	18.00
	Henry B. Hersey .....	Traveling expenses .....	11.50
	Jos. P. Fallihee .....	Office expenses .....	4.00
	N. B. Conger .....	Traveling expenses .....	99.50
	Wayland Bailey .....	do .....	5.65
	C. L. Park .....	do .....	5.50
	W. H. Fallon .....	Office expenses .....	1.10
	D. B. Miller .....	Services .....	15.00
	Merritt Cary .....	Printing summary .....	45.00
	Norfolk Steam Laundry Co .....	Washing towels .....	3.00
	Geo. L. Ferrin .....	Repairs to flagstaff .....	3.00
	K. Cheseldine .....	Hoops .....	19.00
	Ryan & Co .....	Framing charts .....	8.75
	United States Envelope Co., .....	Envelopes .....	173.75
	J. H. Thiemeyer .....	Pine boxes .....	69.00
	Morse Twist Drill and Machine Co .....	Twist drills .....	1.66
	Jno. A. Roebing's Son's Co .....	Wire .....	10.62
	J. M. Small .....	Cartage, etc .....	3.50
	Patterson Transfer Co .....	Hauling .....	1.00
	Chase Paint and Oil Co .....	Oil .....	2.50
	J. S. Pinney .....	Brass rule .....	3.00
18	Geo. F. Muth & Co .....	Oil, etc .....	42.48
	W. B. Moses & Co .....	Table .....	13.45
	do .....	Recovering chairs .....	1.85
	J. Edw. Turton .....	Map frames .....	290.00
	Woodward & Lothrop .....	Text-books .....	1,257.80
	Maurice Joyce Engraving Co .....	Photo-engraving plate .....	.98
	Woodruff Manufacturing Co .....	File case .....	41.00
	Jno. C. Parker .....	Paper .....	880.00
	Rudolph West & Co .....	Brass figures .....	31.50
	J. C. Entwistle .....	Engraving .....	7.50
	R. Carter Ballantyne .....	Supplies .....	99.15
	Michael O'Leary .....	Sand .....	1.50
	Postal Telegraph Cable Co .....	Telegraph service .....	28.65
	United States Express Co .....	Transportation .....	60.06
	do .....	do .....	21.90
19	The Great North Western Telegraph Co .....	Telegraph service .....	163.53
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co. ....	do .....	10.18
	The Hocking Valley Rwy. Co .....	Passenger transportation .....	3.30
	J. S. Hazen .....	Office expenses .....	2.45
	E. B. Richards .....	do .....	8.05
	do .....	Traveling expenses .....	4.50
	Jos. F. Marek .....	Printing bulletin .....	11.00
	Statesman Printing Co .....	Printing summary .....	44.00
	Jno. W. Holmes .....	Services .....	1.50
	Julien P. Friez .....	Sockets .....	93.75
	do .....	Pens .....	107.50
	Jones Carpet Store .....	Carpets, etc .....	124.13
	Weston Electrical Instrument Co .....	Weston relay .....	25.00
	Barnhardt Bros. & Spindler .....	Type .....	2.71
	D. P. Hopkins .....	Repairs to furniture .....	18.76
	Addressograph Co .....	Stamper head, etc .....	1.00
	W. F. & Jno. Barnes Co .....	Saws .....	8.40
	G. C. Krause .....	Repairs to typewriter .....	5.50

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Feb. 19	M. L. Cohen	Repairs to clock	\$2.00
	P. Hensen	Services and material	12.00
	Chas. E. Johnson & Co	Duplicating ink	800.00
	M. Sweder & Co	Erection of tower	135.00
	E. J. Shattuck & Co	Oil	.50
	Phillips Bros.	Binding charts	8.00
	Norton Furniture Co	Repairs, etc., furniture	23.20
	Donahue & Shoebottom Electric Co.	Services	45.00
20	Texas and Pacific Rwy Co.	Transportation	1.52
	do	do	1.52
	Southern Pacific Co.	do	1.42
	Michigan Central R. R. Co	do	3.25
	Lehigh Valley R. R. Co.	do	3.46
	Lake Shore and Michigan Southern Rwy. Co.	do	17.32
	Wisconsin Central Rwy. Co.	do	1.15
	Wabash R. R. Co.	do	.87
	St. Louis, Keokuk and Northwestern R. R. Co.	do	2.20
	Nashville, Chattanooga and St. Louis Rwy. Co.	do	5.95
	Grand Rapids and Indiana Rwy. Co.	do	2.25
	Detroit and Cleveland Navigation Co.	do	3.09
	Burlington and Missouri River R. R. in Nebraska.	do	4.54
	The Rio Grande Southern R. R. Co.	do	2.20
	The Denver and Rio Grande R. R. Co	do	.67
	New Bedford, Marthas Vineyard and Nantucket Steamboat Co.	do	4.71
	Baltimore and Ohio Southwestern R. R. Co.	do	2.18
	do	do	.40
	do	do	4.95
	New York, New Haven and Hartford R. R. Co.	do	.44
	Rome, Watertown and Ogdensburg R. R. Co.	do	.92
	Boston and Albany R. R. Co	do	16.80
	Jno. C. Davis.	do	1.98
	Lower Coast Packet	do	8.50
	do	do	.50
	Star Union Line	do	1.38
	do	do	2.48
	do	do	.45
	Missouri Pacific Rwy. Co	do	3.80
	do	do	.63
23	Herbrick & Laurence	Repairing electric lights	11.00
	H. J. Green	Barometer boxes	36.00
	Maxwell & Taylor	Washstand	3.00
	Union Typewriter and Supplies Co.	Stencil paper	2.00
	Jas. Fitzsimmons & Co.	Renovating furniture	47.97
	Wm. F. Coston.	Signals	33.00
	Chas. A. Stickney & Co.	Gasoline engine	200.00
	Lowman & Hanford Stationery and Printing Co.	Ink and mucilage	6.00
	Watts Bros	Services	18.50
	O. P. Card	Laying linoleum	2.50
	E. W. Turner	Cleaning clock	1.50
	Union Photographic Engraving Co	Pictures	12.80
	E. C. Fuller & Co	Wire and nippers	5.15
	J. A. Barnes	Coal	84.38
	Hoke Engraving Plate Co	Recoating plates	48.75
	do	do	62.50
	do	do	75.00
	F. G. Blaisdell	Water	18.00
	The Globe Wernicke Co	Cabinet	41.25
	Carter Ink Co	Ink	25.80
	Houghton & Delano	Lantern-slide plates	.85
	A. N. Bucklin	Copper fans	2.50
	Daniel Daly	Casting rollers	3.15
	M. L. Johnson	Moving furniture	25.00
	M. Wiegand & Co.	Lumber	188.00
	J. Baumgarten & Sons	Rubber stamp	13.39
	Jas. B. Lambie	Supplies for instrument repairing.	9.90
	do	Screw-driver	1.50
	New Orleans and North Eastern R. R. Co.	Passenger transportation	52.60
	Utah and Pacific R. R. Co	do	3.25
	Lake Shore and Michigan Southern Rwy. Co.	do	7.55
	Northern Pacific Rwy. Co	do	1.70



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Feb. 23	Southern Rwy. Co .....	Passenger transportation .....	\$3.33
	do .....	do .....	3.33
	Michigan Telephone Co .....	Telephone service .....	16.40
	South Florida Telegraph Co .....	Telegraph service .....	3.30
	Postal Telegraph Cable Co. of Texas .....	do .....	28.58
	Jacksonville and St. Johns Bar Telegraph Co. ....	do .....	7.75
	Philadelphia, Reading and Pottsville Telegraph Co. ....	do .....	11.45
	Ocean Towboat Line .....	do .....	1.00
	Postal Telegraph Cable Co .....	do .....	32.82
	Marsden Wright .....	Traveling expenses .....	3.75
	P. H. Smyth .....	do .....	3.00
	N. B. Conger .....	do .....	16.75
	R. A. Fessenden .....	do .....	14.75
	J. W. Smith .....	do .....	13.61
	Thos. J. Considine .....	do .....	9.00
	E. T. Giers .....	do .....	10.33
	G. E. Franklin .....	Office expenses .....	3.15
	A. J. Mitchell .....	do .....	5.00
	Chas. W. Ling .....	do .....	1.00
	Lee A. Denson .....	do .....	2.20
	O. C. Burrows .....	do .....	2.25
	S. Hackett .....	do .....	1.50
	W. T. Blythe .....	do .....	1.72
	do .....	do .....	69.20
25	Pere Marquette R. R. Co .....	Transportation .....	1.52
	do .....	do .....	2.54
	Steamer Geo. W. Danielson .....	do .....	8.50
	do .....	do .....	2.41
	Fremont, Elkhorn and Missouri Valley R. R. Co. ....	do .....	.33
	do .....	do .....	1.13
	Baltimore and Ohio R. R. Co .....	do .....	10.01
	do .....	do .....	3.04
	Pennsylvania R. R. Co .....	do .....	.85
	Louisville and Nashville R. R. Co .....	do .....	2.50
	do .....	do .....	46.06
	Union Pacific R. R. Co .....	do .....	2.30
	Virginia and Truckee R. R. Co .....	do .....	.63
	do .....	do .....	1.25
	do .....	do .....	1.01
	Chicago and Northwestern Rwy. Co .....	do .....	16.42
28	B. F. Larcombe et al .....	Salaries .....	2,655.00
	W. F. R. Phillips et al .....	do .....	256.60
Mar. 5	Wm. Crawford .....	Hire horse .....	.50
	C. E. Johnson .....	Services .....	4.00
	do .....	do .....	8.00
	The Storage Battery Supply Co .....	Hydrometer syringe .....	5.00
	Phillip Lindemeyr .....	Mucilage, etc. ....	256.00
	F. J. Carter .....	Repairing typewriter .....	4.00
	The Merchants Publishing Co .....	Printing annual summary .....	50.00
	Julien P. Friez .....	Barographs, etc. ....	743.50
	United States Envelope Co .....	Envelopes .....	.91
	Walter Scott & Co .....	Screws .....	5.00
	Chas. E. Johnson & Co .....	Ink .....	52.50
	R. N. Getty .....	Wire .....	26.50
	American Type Founders Co .....	Staples, type, etc. ....	39.18
	Chester Brierley .....	Services .....	3.00
	Alabama, Mississippi and Tennessee Telephone Co. ....	Telephone service .....	6.50
	Ohio River Telephone Line .....	do .....	5.20
	Michigan Telephone Co .....	do .....	2.00
	Rising Sun Telegraph Line .....	Telegraph services .....	2.60
	Great Northwestern Telegraph Co. of Canada .....	do .....	154.81
	Isle of Wight Telephone and Telegraph Co. ....	do .....	5.20
	Corvallis and Eastern R. R. Co .....	do .....	2.60
	L. M. Dey, jr .....	Office expenses .....	7.96
	A. H. Thiessen .....	do .....	28.35
	Wm. Bell .....	do .....	1.50
	Jno. R. Morton .....	do .....	1.25
	Corydon P. Cronk .....	do .....	2.40
	Wayland Bailey .....	do .....	14.03
	do .....	do .....	22.08
	do .....	Traveling expenses .....	8.35
	R. A. Fessenden .....	do .....	22.70
	do .....	do .....	52.31
6	Postal Telegraph Cable Co .....	Telegraph service .....	34.42
	R. L. Lamb .....	Inking pads .....	11.25

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Mar. 6	Fred. A. Schmidt .....	Measuring sticks .....	\$92.00
	A. A. Wagner .....	Rain gauges .....	290.00
	W. B. Moses & Sons .....	Mats .....	24.00
	Rudolph, West & Co. ....	Paint, brushes, etc. ....	290.62
	R. P. Clarke & Co. ....	Millinet .....	2.06
	J. E. Turtou .....	Card holders .....	843.47
	do .....	Supports .....	114.00
7	Indiana Printing and Manufacturing Co.	Printing annual summary .....	60.00
	G. H. Baughman .....	Binding maps .....	1.75
	Twentieth Century Press .....	Printing summary .....	60.00
	Lewis Westbrook .....	Services .....	3.00
	Fred. Albright .....	Horse hire .....	4.00
	H. H. Hodgson .....	Repairs to typewriter .....	1.70
	F. W. Sambrook .....	Lumber .....	4.63
	Gether & Drebert Co. ....	Services .....	10.50
	A. J. Campbell .....	Reefing halyards .....	6.00
	W. J. May .....	Shelving .....	19.50
	Small & Co. ....	Repairing flags .....	1.75
	Badger State Printers Roller Co.	Recasting rollers .....	3.00
	Edwin R. Smith .....	Erecting flagstaff .....	29.00
	Harrington & Tobin .....	Lamp chimneys .....	1.10
	Yanice Parker .....	Painting instrument shelters .....	5.25
	W. G. Johnston & Co. ....	Silk backing .....	5.10
	Peter Gray .....	Lanterns .....	20.00
	Ed. Kinsbury .....	Repairing furniture .....	4.25
	H. G. Dyson .....	Clamps .....	1.50
	The J. K. Gill Co. ....	Ink .....	3.50
	H. Pembroke .....	do .....	3.50
	California Ink Co. ....	Casting rollers .....	2.55
	Alabama and Georgia Long Distance Telephone Co.	Telephone service .....	20.80
	Peter C. Battaile .....	Services .....	10.73
	T. S. Collins .....	Office expenses .....	1.00
	Jno. R. Weeks .....	do .....	.50
	Ed. A. Evans .....	do .....	3.75
	T. F. Townsend .....	Traveling expenses .....	4.00
	Geo. M. Chappell .....	do .....	8.48
	N. B. Conger .....	do .....	4.85
	Michigan Central R. R. Co. ....	Passenger transportation .....	24.33
	Chicago and Alton R. R. Co. ....	do .....	8.55
	Chicago and Northwestern Rwy. Co.	do .....	7.80
	Santa Fe Pacific R. R. Co. ....	do .....	46.15
	Fred Springmann .....	Transportation .....	17.84
12	W. B. Moses & Sons .....	Instrument stands .....	378.00
	Jas. B. Lambie .....	Tool steel .....	1.50
	do .....	Wire brads .....	1.20
	do .....	Turn-buckles .....	2.20
	Broderick Bros. ....	Rags .....	14.00
	Jno. C. Parker .....	Cardboard .....	440.00
	Martha Carter .....	Services .....	10.65
	D. Frank Parker .....	Paper, varnish, typewriter ribbon, etc.	1,629.65
	United States Express Co. ....	Transportation .....	13.08
	Norfolk and Washington Steamboat Co.	do .....	3.22
14	J. J. Kelliher .....	Office expenses .....	3.00
	J. H. Means .....	Drayage .....	10.00
	Luke Markishtun .....	Services .....	4.00
	H. McP. Baldwin .....	Traveling expenses .....	12.75
	R. M. Gedding .....	do .....	11.25
	State Journal Co. ....	Casting rollers, etc. ....	8.75
	F. J. Walz .....	Traveling expenses .....	6.50
	do .....	Office expenses .....	19.12
19	W. M. Fulton .....	do .....	36.25
	J. P. Fallihee .....	do .....	6.50
	Chas. Adie .....	do .....	1.85
	C. P. Cronk .....	do .....	5.59
	E. B. Richards .....	do .....	5.25
	N. R. Taylor .....	Traveling expenses .....	16.50
	Jas. F. Atherton .....	do .....	6.00
	E. A. Beals .....	do .....	17.85
	N. B. Conger .....	do .....	28.00
	Pay roll, New York, N. Y. ....	Substation salaries .....	35.00
	Aurora and Friendship Telephone Line.	Telephone service .....	7.80
	Put-in-Bay Telegraph Co. ....	Telegraph service .....	13.14
	International Ocean Telegraph Co.	do .....	218.62
	Postal Telegraph-Cable Co. of Texas	do .....	29.61
	People's Telephone Co. ....	Telephone service .....	3.00
	Ohio River R. R. Co. ....	Telegraph service .....	2.70
	Chicago, Burlington and Quincy R. R. Co.	do .....	3.01
	New England Telephone and Telegraph Co.	do .....	12.84

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Mar. 19	Hoke Engraving Plate Co.....	Recoating plates.....	\$25.00
	do.....	Stereotype metal.....	33.15
	do.....	do.....	62.50
	do.....	Recoating plates.....	52.50
	do.....	Handles, etc.....	6.00
	Lake Shore and Michigan Southern Rwy. Co.....	Passenger transportation.....	2.60
	The Oregon R. R. and Navigation Co.....	do.....	41.75
	Oregon Short Line.....	do.....	22.90
	Rio Grande Western Rwy. Co.....	do.....	13.00
	Utah and Pacific R. R. Co.....	do.....	3.25
	Union Pacific R. R. Co.....	do.....	28.35
	Jas. Hunter.....	Cartage.....	2.50
	Barnhart Bros. & Spindler.....	Chase.....	1.71
	Western Electrical Instrument Co.....	Relays.....	12.68
	E. C. Fuller & Co.....	Wire stitching machine.....	1.50
	Carter, Rice & Co. (corporation).....	Book paper.....	264.00
	J. H. Thiemeyer.....	Packing boxes.....	5.20
	Frederick & Nelson.....	Table.....	9.00
	K. Cheseldine.....	Labor and material.....	850.00
	G. B. Carwing.....	Services.....	10.00
	D. P. Fisher.....	Repairs to instrument stand.....	1.00
	Wm. Lamb.....	Repairs to rowboat.....	12.00
	J. R. Speer.....	Labor and material.....	10.00
	The Globe-Wernicke Co.....	Cards.....	3.60
	Barnhart Bros. & Spindler.....	Chases.....	3.42
	P. H. Seewald.....	Repairing clock.....	4.00
	Rand, McNally & Co.....	Charts.....	180.00
	Western Union Telegraph Co.....	Repairs to telegraph line.....	5.33
	W. W. Best.....	do.....	2.00
	Jas. R. Hobbs.....	do.....	3.00
	Arizona Publishing Co.....	Printing bulletins.....	50.00
	E. D. Beattie.....	do.....	5.00
	C. H. Crocker & Co.....	do.....	107.00
	Cumberland Presbyterian Publishing House.....	do.....	44.00
	The Daggett Printing Co.....	do.....	3.00
	Jas. F. Marek.....	do.....	11.00
	O. J. Maigne.....	Recasting rollers.....	19.88
	W. H. Ranney.....	do.....	3.75
	L. H. Jones.....	do.....	2.70
20	Frank L. McClintic.....	Office expenses.....	1.80
	Wm. Bell.....	do.....	90.00
	Geo. A. Loveland.....	do.....	11.21
	J. H. Smith.....	do.....	4.95
	Chas. M. Strong.....	do.....	3.40
	Jno. R. Weeks.....	Traveling expenses.....	12.62
	H. P. Hersey.....	do.....	49.57
	Ohio River Telephone Line.....	Telephone services.....	4.60
	Alabama, Mississippi, and Tennessee Telephone Co.....	do.....	6.00
	J. T. Harper.....	Telephone services.....	15.03
	Rising Sun Telegraph Line.....	do.....	2.30
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.....	do.....	10.68
	Corvallis and Eastern R. R. Co.....	do.....	2.30
	Henry J. Green.....	Thermometers, etc.....	1,200.00
	American Type Founders Co.....	Logotype.....	2.60
	Keystone Type Foundry.....	Supplies.....	.63
	H. B. McVeigh.....	Services.....	8.75
	P. C. Atwood.....	Benzine.....	1.00
	E. A. Sawyer.....	Services.....	15.00
	Julien P. Freiz.....	Supplies.....	1,633.00
	F. H. Lovell & Co.....	Clocks.....	64.50
	Geo. Meier & Co.....	Pencils.....	.50
	Jno. W. Holmes.....	Repairing telegraph line.....	4.50
21	Western Union Telegraph Co.....	Telegraph services.....	14,265.52
	do.....	do.....	13,798.11
22	M. Du Perow.....	Gordon battery.....	816.00
	Richd. A. Shaw.....	Cleaning map.....	10.65
	Thos. Somerville & Sons.....	Fitting for garden hose.....	1.31
	Jas. B. Lambie.....	Supplies.....	7.60
	Postal Telegraph-Cable Co.....	Telegraph service.....	263.64
	Norfolk and Washington Steamboat Co.....	Passenger transportation.....	3.00
	Adams Express Co.....	Transportation.....	19.10
	Illinois Central R. R. Co.....	do.....	.61
	do.....	do.....	.27
	Chicago, Rock Island and Texas Rwy. Co.....	do.....	1.44
	Chicago, Milwaukee and St. Paul Rwy. Co.....	do.....	.92
	do.....	do.....	1.79



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Mar. 22	Chicago and Northwestern Rwy. Co. ....	Transportation .....	\$17.82
	Pennsylvania R. R. Co. ....	do .....	.80
	do .....	do .....	.69
	Baltimore and Ohio Southwestern R. R. Co. ....	do .....	3.88
	do .....	do .....	.40
	Baltimore and Ohio R. R. Co. ....	do .....	8.83
	do .....	do .....	.36
	Detroit and Mackinac Rwy. Co. ....	do .....	7.06
	do .....	do .....	4.27
	Boston and Maine R. R. Co. ....	do .....	.70
	do .....	do .....	1.11
	Burlington and Missouri River R. R. in Nebraska. ....	do .....	35.99
	do .....	do .....	13.20
	New Bedford, Marthas Vineyard and Nan- tucket Steamboat Co. ....	do .....	15.22
	Fremont, Elkhorn and Missouri Valley R. R. Co. ....	do .....	.31
	Ann Arbor R. R. Co. ....	do .....	2.05
	New Bedford, Marthas Vineyard and Nan- tucket Steamboat Co. ....	do .....	3.77
	Pere Marquette R. R. Co. ....	do .....	3.41
	Delaware, Lackawanna and Western R. R. Co. ....	do .....	1.37
	Delaware and Hudson Co. ....	do .....	1.85
	Boston and Albany R. R. Co. ....	do .....	.94
	Maine Central R. R. Co. ....	do .....	.75
	Richmond, Fredericksburg and Potomac R. R. Co. ....	do .....	.79
	St. Louis, Keokuk and Northwestern R. R. Co. ....	do .....	.54
	Star Union Line .....	do .....	1.08
	Wabash R. R. Co. ....	do .....	2.27
	Washington County R. R. Co. ....	do .....	.94
	The Oregon Short Line R. R. Co. ....	do .....	1.52
	Texas-Mexican Rwy. Co. ....	do .....	9.45
	The Santa Fe, Prescott and Phoenix Rwy. Co. ....	do .....	11.15
	Northern Central Rwy. Co. ....	do .....	.45
	Michigan Central R. R. Co. ....	do .....	1.87
	Louisville, Evansville and St. Louis Con- solidated R. R. Co. ....	do .....	.95
	Lake Shore and Michigan Southern Rwy. Co. ....	do .....	8.03
	Lake Michigan and Lake Superior Trans- portation Co. ....	do .....	7.92
	The Erie and Western Transportation Co. ....	do .....	3.38
	The Colorado and Southern Rwy. Co. ....	do .....	1.44
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. ....	do .....	1.23
	Harry E. Overstreet .....	do .....	.53
23	Morgan R. Sanford .....	Traveling expenses .....	2.20
	E. A. Beals .....	do .....	32.75
	Kenelin Cheseldine .....	Erecting poles .....	10.00
	R. N. Morrison Construction Co. ....	Repairing wind vane .....	26.50
	Jas. Hunter .....	Repairing roof, etc. ....	5.00
	C. D. Peacock .....	Repairing clock .....	4.00
	Jas. R. Biddle .....	Rubber jars .....	9.15
	Queen & Co., Incorporated .....	Altering induction coil, etc. ....	26.77
	Valley Paper Co. ....	Paper .....	811.80
	J. S. Stahl & Co. ....	Repairing typewriter .....	4.00
	P. H. Seawald .....	Repairing clock .....	2.00
	Addressograph Co. ....	Type, etc. ....	4.84
	Jno. Phillips & Co., Limited .....	Repairs to register case .....	.82
	Louis Lindenberg .....	Brass wire, etc. ....	2.46
	D. B. Walker .....	Storm tower .....	43.00
	Johnson & Venners .....	Erection of tower .....	22.50
	A. Gilchrist .....	Repairing clock .....	4.50
	Pennsylvania R. R. Co. ....	Passenger transportation .....	1.75
	The Texas Pacific Rwy. Co. ....	do .....	29.60
	Rawlins and Northwestern Stage Line .....	do .....	1.55
	American Type Founders Co. ....	Type, etc. ....	23.41
26	Baumgarten & Sons .....	Logotypes, etc. ....	434.74
	The Maurice Joyce Engraving Co. ....	Photo-engravings, etc. ....	11.53
	do .....	Map symbols .....	31.00
	do .....	Electrotype plates .....	3.63
	Jno. C. Parker .....	Cardboard .....	176.00
	Wyckoff, Seamans & Benedict .....	Repairing typewriter .....	12.50
	Mackall Bros. ....	Alcohol, etc. ....	5.80
	J. C. Entwistle .....	Engraving .....	7.50
28	Missouri Pacific Rwy. Co. ....	Transportation .....	12.01

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. Mar. 23	Missouri Pacific Rwy Co.....	Transportation.....	\$4.22
	Southern Pacific Co.....	do.....	.69
	Chicago, Peoria and St. Louis Rwy. Co.....	do.....	.75
	Chicago, Milwaukee and St. Paul Rwy. Co.....	do.....	1.04
	do.....	do.....	.92
	Chicago, Burlington and Quincy R. R. Co.....	do.....	1.07
	do.....	do.....	2.81
	do.....	do.....	.84
	do.....	do.....	4.59
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.....	do.....	3.55
	do.....	do.....	2.84
	Chicago and Northwestern Rwy. Co.....	do.....	18.96
	Rome, Watertown and Ogdensburg R. R.....	do.....	3.58
	New York Central and Hudson River R. R. Co.....	do.....	1.76
	do.....	do.....	2.45
	do.....	do.....	9.81
	Pennsylvania R. R. Co.....	do.....	1.03
	do.....	do.....	.47
	do.....	do.....	.46
	do.....	do.....	1.11
	do.....	do.....	.57
	do.....	do.....	.46
	do.....	do.....	1.24
	Boston and Maine R. R. Co.....	do.....	7.28
	do.....	do.....	.44
	The Riverside Storage and Cartage Co.....	do.....	.81
	do.....	do.....	1.06
	Atchison, Topeka and Santa Fe Rwy. Co.....	do.....	10.93
	do.....	do.....	7.69
	Chesapeake and Ohio R. R. Co.....	do.....	.84
	do.....	do.....	4.74
	Star Union Line.....	do.....	.99
	do.....	do.....	5.92
	St. Louis Southwestern Rwy. Co.....	do.....	.82
	Texas Pacific Rwy. Co.....	do.....	6.99
	Atlantic Coast Line R. R. Co.....	do.....	1.92
	Rutland Rwy. Co.....	do.....	.95
	Carolina and Northwestern Rwy. Co.....	do.....	.42
	Central R. R. Co. of New Jersey.....	do.....	.37
	Thompson Steamboat Co.....	do.....	32.48
	Harry E. Overstreet.....	do.....	.12
	Geo. McQuillan.....	do.....	.12
	Jos. Urlacher.....	do.....	1.50
	Steamer Olympic.....	do.....	.70
	St. Louis, Keokuk and Northwestern R. R. Co.....	do.....	1.79
	Fremont, Elkhorn and Missouri Valley R. R. Co.....	do.....	1.01
	Grand Rapids and Indiana Rwy. Co.....	do.....	1.34
	Lake Shore and Michigan Southern Rwy. Co.....	do.....	.56
	Lehigh Valley R. R. Co.....	do.....	3.78
	Nashville, Chattanooga and St. Louis Rwy. Co.....	do.....	2.32
	do.....	do.....	.78
	New Bedford, Marthas Vineyard and Nantucket Steamboat Co.....	do.....	.59
	New York, Chicago and St. Louis R. R. Co.....	do.....	4.32
	Sedalia, Warsaw and Southwestern Rwy. Co.....	do.....	.42
	Virginia and Truckee R. R. Co.....	do.....	.25
	Savannah, Florida and Western Rwy. Co.....	do.....	8.59
	San Antonio and Aransas Pass Rwy.....	do.....	2.54
	Detroit and Cleveland Navigation Co.....	do.....	1.54
	Norfolk and Southern R. R. Co.....	do.....	1.53
	Erie and Western Transportation Co.....	do.....	1.64
	The Denver and Rio Grande R. R. Co.....	do.....	13.21
30	B. F. Larcombe et al.....	Salaries.....	2,850.71
	W. F. R. Phillips et al.....	do.....	284.30
	Total, third quarter.....		135,665.88
Apr. 2	Chicago Auditorium Association.....	Office rent.....	450.00
	Balfe D. Johnson.....	do.....	63.00
	Wm. Pollman.....	do.....	87.50
	Benj. M. Jacobs.....	do.....	30.00
	Geo. L. Lovette.....	do.....	105.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Apr. 2	City of Columbia, S. C. ....	Office rent .....	\$45.00
	Maggie French .....	do .....	59.20
	Ulysses G. Myers .....	do .....	175.00
	Mary C. Pratt et al .....	do .....	93.75
	The Farmers' National Bank of Fresno .....	do .....	115.00
	R. McLaughlin .....	do .....	150.00
	Conrad National Bank .....	do .....	67.50
	Dent & Butler .....	do .....	105.00
	Tyree & Wilkins, agents .....	do .....	67.50
	Albert W. Kenzie .....	do .....	42.00
	Walla Walla Lodge, No. 56, I. O. O. F .....	do .....	84.87
	Aldana C. Rackcliffe .....	do .....	75.00
	E. H. Jamieson .....	do .....	135.00
	A. J. Knight .....	do .....	82.19
	E. P. Jones .....	do .....	25.00
	E. J. Davenport .....	do .....	100.00
	O. J. Mairs .....	do .....	67.50
	Geo. E. Shaw .....	do .....	70.00
	Peter Souma .....	do .....	120.00
	F. E. Warren .....	do .....	129.40
	C. M. Beeson .....	do .....	88.91
	Eliz L. Renoe .....	do .....	100.00
	Utah and Pacific R. R. Co .....	do .....	45.00
	Citizens' Bank of Norfolk, Va. ....	do .....	131.25
	Jno. E. Dooly .....	do .....	150.00
	D. Horton .....	do .....	120.00
	T. B. Catron .....	do .....	105.00
	Bunce & Hams .....	do .....	90.00
	Otto B. Hart .....	do .....	24.00
	Robt. W. Munroe .....	Anemometer, etc .....	172.88
	H. Wallenberg, administrator .....	Office rent .....	77.25
	Simon W. Everitt .....	do .....	8.00
	Pacific States Telephone and Telegraph Co. ....	Telephone services .....	4.10
	Isle of Wight Telephone and Telegraph Co. ....	do .....	4.40
	Western Union Telegraph Co. ....	do .....	148.49
	do .....	do .....	19.80
	Philadelphia, Reading and Pottsville Tele- graph Co. ....	do .....	9.58
	The Central District and Printing Tele- graph Co. ....	do .....	6.60
	J. H. Richmond .....	Repairs to river gauge .....	16.50
	S. A. D. Keister .....	Repairs to clock .....	2.00
	Barnhart Bros. & Spindler .....	Supplies .....	10.92
	D. C. Jones .....	Services .....	20.00
	Pere Marquette R. R. Co .....	Passenger transportation .....	23.52
	International and Great Northern R. R. Co. ....	do .....	5.95
	E. H. Emery .....	Traveling expenses .....	5.98
	W. S. Palmer .....	Office expenses .....	2.00
	Addressograph Co .....	Addressographns .....	270.75
	H. K. Holcombe .....	Office expenses .....	1.85
4	The Northwestern Telephone Exchange Co. ....	Telephone rent .....	9.00
	The Inland Telephone and Telegraph Co. ....	do .....	9.00
	The Bell Telephone Co. of Philadelphia .....	do .....	30.00
	Southern Bell Telephone and Telegraph Co. ....	do .....	10.00
	do .....	Services .....	3.00
	Missouri and Kansas Telephone Co. ....	do .....	9.00
	do .....	do .....	18.00
	Pennsylvania Telephone Co .....	Telephone rent .....	20.00
	The Southern New England Telephone Co. ....	do .....	27.00
	Rocky Mountain Bell Telephone Co. ....	Telephone rent and services .....	8.25
	do .....	Telephone rent .....	10.50
	Georgia Telephone and Telegraph Co. ....	do .....	10.00
	do .....	do .....	4.19
	Santa Fe Electric Telephone Co .....	do .....	6.00
	Capital Telephone and Telegraph Co .....	do .....	4.50
	The Empire State Telephone and Tele- graph Co. ....	Services .....	15.00
	Ontario Telephone Co. ....	do .....	7.50
	Dodge City Telephone Co .....	Telephone rent .....	3.00
	Central Union Telephone Co .....	Telephone rent and services .....	40.50
	Southwestern Telegraph and Telephone Co. ....	Telephone rent .....	15.00
	do .....	do .....	15.00
	do .....	do .....	9.00
	Sunset Telephone and Telegraph Co .....	do .....	6.00
	La Crosse Telephone Co .....	do .....	7.56
	Wisconsin Telephone Co .....	do .....	3.75
	Lynchburg Telephone Co .....	Services .....	3.00



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Apr. 4	Citizens' Telephone Co.....	Telephone rent.....	\$6.00
	The Telephone Co. of South Jersey.....	do.....	5.00
	People's Telephone Co.....	Services.....	4.40
	Aurora and Friendship Telephone Line.....	do.....	6.90
	Iowa Telephone Co.....	do.....	36.00
	Chas. A. Blummer.....	do.....	15.00
	R. M. Hardinge.....	Office expenses.....	8.20
	Milton L. Leffler.....	Traveling expenses.....	19.25
	Wm. Bell.....	do.....	1.25
	Alex. G. McAdie.....	do.....	22.50
	Frank R. Beahan.....	do.....	38.60
	E. B. Richards.....	do.....	2.85
	do.....	do.....	2.85
6	D. Frank Parker.....	Typewriter ribbons.....	2.25
	C. Becker.....	Calendar for carriage.....	.50
	Standard Oil Co.....	Oil.....	7.15
	M. G. Copeland & Co.....	Flags.....	214.50
	Southern Rwy. Co.....	Passenger transportation.....	24.80
	do.....	do.....	2.64
	Fred. A. Schmidt.....	Painting chart of river.....	40.00
	Mackall Bros.....	Soap, etc.....	105.58
	The Morris Joyce Engraving Co.....	Electrotype plates.....	8.62
	Postal Telegraph-Cable Co.....	Services.....	28.64
	do.....	do.....	287.54
	A. A. Wagner.....	Rain gauges.....	145.00
	Clark & Davenport.....	Altering carpet.....	9.49
	do.....	do.....	5.66
10	National Electrical Supply Co.....	Electric lamp.....	.76
	Great Northwestern Telegraph Co. of Canada.....	Telegraph service.....	116.79
	Southern Florida Telegraph Co.....	do.....	8.30
	Jacksonville and St. Johns Bar Telegraph Line.....	do.....	5.50
	Ocean Towboat Line.....	do.....	6.00
	The Gamble Desmond Co.....	Rent of office.....	100.00
	Indianapolis Gas Co.....	do.....	250.00
	Sam B. Hicks et al.....	do.....	120.00
	Columbia Building Co.....	do.....	87.50
	Hoke Engraving Plate Co.....	Recoating plates.....	75.00
	do.....	do.....	37.50
	do.....	Supplies.....	1.45
	S. A. Potter.....	Use of ground for flagstaff.....	30.00
	Fred Albright.....	Use of horse.....	2.00
	E. D. Beattie.....	Printing climate report.....	36.00
	Reading Paper Mills.....	Paper.....	540.00
	C. J. Oyler.....	Washing towels.....	4.50
	W. W. Whelan.....	Repairs to typewriter.....	.35
	Addressograph Co.....	Ink pads.....	1.20
	Inland Type Foundry.....	Type, etc.....	2.83
	Simon Nusbaum, postmaster.....	Rent post-office box.....	1.50
	Grant Rivenberg.....	Ice.....	3.15
	Fred Taylor.....	Labor and material.....	5.50
	Robt. F. Holmes & Co.....	Sulphuric acid.....	1.44
	Jas. Morrison, jr.....	Painting instrument shelters.....	20.00
	Johnson & Johnson.....	Coal.....	8.00
	Coe Bros.....	Ink.....	2.40
	Ferguson & Cooper.....	Painting floors.....	6.00
	Sydney & Hundley.....	Stool.....	1.10
	W. H. Ranney.....	Recasting rollers.....	3.75
	San Antonio Gas and Electric Co.....	Electric current.....	6.25
	Indianapolis Light and Power Co.....	do.....	18.00
	Tampa Electric Co.....	do.....	5.00
	E. A. Born.....	do.....	6.00
	Wm. Caldwell.....	Repairing rain gauge.....	.75
	J. R. Wilson & Son.....	Oil.....	1.75
	J. F. Conrad Grocer Co.....	Gasoline.....	2.15
	Yates & Co.....	Oil.....	6.00
	P. C. Shaw.....	Towel service.....	6.00
	M. J. Greer.....	do.....	1.50
	Amelia McLean.....	do.....	3.00
	American Linen Supply Co.....	do.....	3.00
11	R. A. Fessenden.....	Office expenses.....	29.48
	Alfred N. Thiessen.....	do.....	12.25
	W. T. Blythe.....	Traveling expenses.....	10.45
	T. Collins.....	do.....	6.50
	Alex. G. McAdie.....	do.....	3.00
	E. T. Turner.....	do.....	10.89
	E. C. Hobbs.....	do.....	4.50
	Orson Adams, jr.....	Office rent.....	120.00
	Ella W. Daniels.....	do.....	87.50

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. Apr. 11	Prudential Building Co .....	Office rent .....	\$134.96
	Jos. Gussenhoven .....	do .....	90.00
	T. M. Jeffris & Co .....	do .....	100.00
	Edgar Harding .....	do .....	87.50
	Ed. S. Hughs & Co .....	do .....	106.11
	Pay roll, Harrisburg, Pa .....	Substation salaries .....	70.00
	Pay roll, New Haven, Conn .....	do .....	48.00
	Pay roll, Norfolk, Va .....	do .....	105.00
	J. W. Branan .....	Services .....	15.00
	Reading Paper Mills .....	Paper .....	45.00
	The Friedenwald Co .....	do .....	32.00
	Geo. Meier & Co .....	Lithographic varnish .....	7.00
	Alie Mawhirter .....	Use of horse .....	2.50
	United Typewriter and Supply Co .....	Repairing typewriter .....	9.75
	H. R. Holman .....	Repairing clock .....	1.00
	R. Ganter .....	do .....	3.50
	Iowa Telephone Co .....	Services .....	13.50
	Chicago Telephone Co .....	Rent .....	57.50
	Northwestern Telephone Exchange Co .....	do .....	9.00
	Missouri and Kansas Telephone Co .....	Services .....	30.00
	New York and Pennsylvania Telephone and Telegraph Co .....	do .....	21.00
	Central Union Telephone Co .....	do .....	10.50
	Cumberland Telephone and Telegraph Co. do .....	do .....	16.50
	do .....	Rent .....	10.00
	Southern States Telephone Co .....	do .....	9.50
	Southern Bell Telephone and Telegraph Co. do .....	do .....	7.50
	do .....	do .....	13.50
12	Willis L. Moore .....	Traveling expenses .....	41.50
13	Ferdinand J. Walz .....	do .....	41.50
	W. H. Fallon .....	Office expenses .....	1.00
	E. H. Emery .....	do .....	13.82
	J. W. Bauer .....	do .....	2.25
	L. N. Jesunofsky .....	do .....	1.25
	P. McDonough .....	do .....	5.57
	G. N. Wilson .....	do .....	.30
	Jas. P. Bolton .....	do .....	1.00
	Jas. Evans .....	Services .....	9.00
	E. J. Kelliher .....	do .....	15.00
	Jno. T. Myers .....	do .....	15.00
16	Edgar B. Calvert .....	Traveling expenses .....	22.50
	Library bureau .....	Cards .....	12.50
	Z. D. Gilman .....	Stopcocks .....	2.23
	Geo. C. Maynard .....	Telegraph service .....	154.59
	J. C. Entwistle .....	Engraving .....	7.50
	R. Carter Ballantyne .....	Pens .....	16.95
	Richard L. Lamb .....	Pads .....	65.00
	National Electrical Supply Co .....	Leather belting .....	7.00
	The Maurice Joyce Engraving Co .....	Electrotype plates .....	7.86
	Jno. C. Parker .....	Map paper .....	313.10
	do .....	Inkstands, etc .....	20.40
	Jas. B. Lambie .....	Steel and brass .....	73.50
	Michigan Telephone Co .....	Rent .....	12.00
	do .....	do .....	4.50
	Michigan Telephone Co .....	do .....	6.00
	Pacific States Telephone and Telegraph Co .....	do .....	22.50
	do .....	do .....	7.50
	do .....	do .....	9.00
	do .....	do .....	6.00
	Columbia Telephone Co .....	do .....	10.50
	do .....	do .....	12.00
	Nebraska Telephone Co .....	Services .....	15.00
	do .....	Rent .....	5.00
	Union Telephone Co .....	Services .....	34.25
	The Central District and Printing Tele- graph Co .....	Rent .....	29.85
	Cumberland Telephone and Telegraph Co. do .....	do .....	30.00
	Cumberland Electric Light and Power Co .....	Electric current .....	15.00
	Cumberland Telephone and Telegraph Co .....	Rent .....	12.00
	Southern Bell Telephone and Telegraph Co .....	do .....	17.00
	do .....	do .....	7.50
	do .....	do .....	10.00
	do .....	do .....	4.50
	do .....	Services .....	15.00
	do .....	Rent .....	21.50
	The Bell Telephone Co. of Buffalo .....	Services .....	12.00
	Sunset Telephone and Telegraph Co .....	Rent .....	15.00
	do .....	do .....	16.50
	Hudson River Telephone Co .....	Services .....	

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. Apr. 16	The Chesapeake and Potomac Telephone Co.	Rent .....	\$31.25
	East Tennessee Telephone Co .....	Services .....	10.50
	Black Hills Telegraph and Telephone Co .....	do .....	21.00
	The City and Suburban Telegraph Assn. ....	do .....	21.00
	New England Telephone and Telegraph Co .....	do .....	9.00
	Inter-State Telephone and Telegraph Co .....	do .....	4.50
	The Northwestern Telephone Exchange .....	do .....	18.00
	Delaware and Atlantic Telegraph and Telephone Co .....	Rent .....	12.00
	Missouri and Kansas Telephone Co .....	Services .....	9.00
	Woolford Telephone Co .....	Rent .....	5.00
	New York Telephone Co .....	do .....	60.00
	Geo. W. Finch .....	Services .....	6.00
	M. T. Hayden .....	Washing towels .....	3.00
	F. C. Nunemacher .....	Paper .....	5.00
	Gamble & Ludwig .....	Gasoline .....	.65
	United Electric Light and Power Co .....	Electric current .....	24.00
	H. Overholser .....	Office rent .....	127.50
	Roy G. Lewis .....	do .....	5.00
	Lorenzo Littlefield .....	do .....	64.99
	Albert Marty .....	do .....	165.00
	Pacific Club .....	do .....	67.50
	American Surety Co. of New York .....	do .....	625.00
	Henry Bolton .....	do .....	52.84
	Real Estate and Law Building Co. ....	do .....	43.75
	Northwestern Mutual Life Insurance Co .....	do .....	124.00
	Jas. L. Connell .....	do .....	118.75
	Jno. G. Brown .....	do .....	75.00
	H. H. Taylor, agent .....	do .....	322.50
	Portland Trust Co. of Oregon .....	do .....	210.00
	M. E. Conway .....	do .....	37.74
	City of Palestine, Tex. ....	do .....	78.50
	Adam Geiger .....	do .....	60.00
	C. S. McLaury et al. ....	do .....	69.00
	Warfield & Dann .....	do .....	75.00
	Lucke & Smith .....	do .....	75.00
	B. S. Williams .....	do .....	73.00
	J. L. Manning .....	do .....	59.32
	Margaret Parmentier .....	do .....	75.00
	Jno. Semer .....	do .....	114.00
	Lake Shore and Michigan Southern Rwy. Co.	Transportation .....	3.57
	Lower Coast Packets .....	do .....	.50
	New Bedford, Marthas Vineyard and Nantucket Steamboat Co. ....	do .....	.65
	New York, Chicago and St. Louis R. R. Co .....	do .....	.82
	Wisconsin Central R. R. Co .....	do .....	.18
	W. T. Cain .....	do .....	1.00
	Star Union Line .....	do .....	.45
	The Utah and Pacific R. R. Co .....	do .....	7.45
	The Oregon Short Line R. R. Co .....	do .....	2.05
	San Antonio and Aransas Pass Rwy. Co .....	do .....	.95
	Pennsylvania R. R. Co .....	do .....	1.25
	Baltimore and Ohio R. R. Co .....	do .....	.74
	Cincinnati, New Orleans and Texas Pacific Rwy. Co. ....	do .....	.82
	Michigan Central R. R. Co .....	do .....	1.37
	do .....	do .....	.63
	St. Louis and Santa Fe R. R. Co .....	do .....	2.93
	do .....	do .....	.91
	Duluth and Iron Range R. R. Co .....	do .....	1.09
	Duluth, South Shore and Atlantic Rwy. Co. ....	do .....	1.38
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co. ....	do .....	2.68
17	Chas. P. Meekins .....	Rent of ground .....	7.85
	The First National Bank of Moorhead .....	Office rent .....	66.31
	W. D. Grant .....	do .....	225.00
	Estate of Isaac Eberly .....	do .....	154.00
	Bank and Insurance Building Co .....	do .....	100.00
	Jas. K. Porter .....	do .....	150.00
	Kate F. Coke .....	do .....	60.00
	H. S. Gilbert Co., treasurer .....	do .....	67.00
	Geo. S. Waite .....	do .....	119.82
	The Marquette County Savings Bank .....	do .....	90.00
	Union Trust Building Co., Ltd .....	do .....	167.50
	Homer W. Styron .....	do .....	38.62
	Mary E. Sheldon .....	do .....	93.75
	Amarillo Improvement Co .....	do .....	30.00
	Mill Valley and Mount Tamalpais Scenic Rwy. ....	do .....	105.00



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. Apr. 17	Alfred H. Thiessen .....	Traveling expenses .....	\$4.25
	C. E. Hasse .....	do .....	4.25
	E. C. Hobbs .....	do .....	3.15
	Norman B. Conger .....	do .....	4.00
	L. H. Murdock .....	do .....	9.35
	E. C. Hobbs .....	do .....	84.50
	E. D. Beattie .....	Printing crop report .....	36.00
	R. H. Vorpahl .....	do .....	70.00
	E. L. Bristol .....	Printing monthly bulletins .....	12.00
	Arizona Publishing Co. ....	do .....	63.00
	M. A. Graham .....	Washing towels .....	1.50
	C. W. Byrnes .....	do .....	3.00
	J. F. Beck .....	do .....	3.00
	Mary Fantleroy .....	do .....	1.50
	R. C. Warriner .....	do .....	3.00
	Nashville Laundry Co. ....	do .....	1.80
	Omaha Towel Co. ....	do .....	3.00
	The American Toilet Supply Co. ....	do .....	2.25
	Baltimore Towel Supply Co. ....	do .....	2.25
	Vicksburg R. R. Power and Manufactur- ing Co. ....	Electric current .....	9.00
	H. L. Pittock .....	do .....	18.00
	Thos. W. Pemberton .....	do .....	5.10
	Minnesota International Electric Co. ....	do .....	15.00
	Edison Sault Electric Co. ....	do .....	16.40
	Sprague Electric Co. ....	do .....	15.00
	The Electric Co. ....	do .....	4.65
	Charleston Consolidated Rwy., Gas, and Electric Co. ....	do .....	3.00
	Georgetown Electric Co. ....	do .....	6.75
	Fort Wayne Electric Works .....	Supplies .....	33.00
	Hoke Engraving Plate Co. ....	Recording plates .....	25.00
	do .....	Stereotype metal .....	11.60
	Nashville Gas Co. ....	Gas .....	11.50
	Buffalo Gas Co. ....	do .....	8.00
	The Portland Gas Co. ....	do .....	11.70
	New Orleans Gaslight Co. ....	do .....	17.62
	People's Gaslight and Coke Co. ....	do .....	7.00
	J. S. Allen .....	Labor and material .....	25.00
	W. H. H. Smith .....	Use of horse and wagon .....	9.00
	do .....	Use of team .....	35.25
	W. J. May .....	Services and material .....	15.80
	O. W. Morey .....	Cleaning clock .....	1.00
	J. J. Letron .....	Repairs to instrument shelter .....	13.50
	Alex. J. Pollock .....	Repairs to rain gauge .....	.75
	Vailey Paper Co. ....	Paper .....	62.50
	Chas. Bond .....	Rawhide belt .....	3.72
	Addressograph Co. ....	Addressograph .....	6.24
	Jas. G. Biddle .....	Volt meter .....	10.50
	do .....	Batteries, etc. ....	180.00
	Barnhart Bros. & Spindler .....	Iron chase, etc. ....	1.71
	Jno. A. Brashear .....	Prism .....	170.00
	S. H. Bowers .....	Repairs to instrument shelters .....	1.25
	Fels. Solis .....	Flagstaff .....	3.50
	Board of Public Works, Sault Ste. Marie .....	Water .....	3.50
	McEwin & Lanver .....	Wood .....	7.84
	Chase Paint and Oil Co. ....	Benzine .....	3.00
	F. C. Nunemacher .....	Printing summary .....	93.00
	Henry Munson .....	Cleaning rugs .....	3.00
	Samuels Transfer and Storage Co. ....	Drayage .....	1.00
	McCormick & Bates .....	Cartage .....	.25
	Pacific Transfer Co. ....	Hauling .....	22.76
	Santa Fe, Prescott and Phoenix Rwy. Co. ....	Passenger transportation .....	14.40
18	Western Union Telegraph Co. ....	Telegraph service .....	13,482.39
	Baltimore and Ohio R. R. Co. ....	Passenger transportation .....	12.75
	Lake Shore and Michigan Southern Rwy. Co. ....	do .....	18.50
	Chesapeake and Ohio Rwy. Co. ....	do .....	16.00
	California Northwestern Rwy. Co. ....	do .....	9.00
	Atlantic and North Carolina R. R. Co. ....	do .....	2.40
	Galveston, Houston and Northern Rwy. Co. ....	do .....	37.30
	Norfolk and Southern Rwy. Co. ....	do .....	4.90
	L. Rogers .....	Services .....	15.00
	Marcos Sanchez .....	do .....	15.00
	H. F. Barnett .....	Rent of land .....	4.88
	Chicago, Burlington and Quincy R. R. Co. ....	Telegraph services .....	2.59
	Georgia Telephone and Telegraph Co. ....	Rent .....	10.00
	Southwestern Telegraph and Telephone Co. ....	do .....	9.00
	Meridian Telephone Co. ....	Services .....	6.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Apr. 18	East Tennessee Telephone Co.	Rent	59.00
	Southern Bell Telephone and Telegraph Co.	Services	8.25
	Michigan Telephone Co.	Rent	6.00
	The Bell Telephone Co. of Missouri	do	16.25
	E. A. Hughes	Electric light	9.00
	Peninsular Electric Light and Power Co.	Electric light, etc.	6.70
	Asa Church	Repairs to telegraph lines	3.00
	Western Union Telegraph Co.	do	20.07
	J. W. Holmes	do	7.50
	McCay Engineering Co.	Repairing electric wire	3.60
	Mill Valley and Mount Tamalpais Scenic Rwy. Co.	Cleaning office	15.00
	Dietrich Bros.	Erecting towers	78.50
	R. Y. Conrad	Repairing typewriter	1.50
	Robt. Oliver	Wind vane	5.00
	C. B. Little	Water	11.00
	Consumers' Ice Co.	Ice	3.85
	Gethers & Dreberk Co.	Printers' supplies	10.70
	E. C. Sollers	Use of team	23.00
	L. Rogers	Use of horse and cart	30.00
	Statesmen Printing Co.	Printing bulletins	76.50
	Dora Moyon	Washing towels	6.00
	do	do	6.00
	Geo. M. Hubinger	Towel service	3.00
	Kentucky Steam Laundry	do	1.50
	H. Brooker & Co.	Kerosene oil	4.44
	N. S. McGee & Co.	Coal	7.00
	Smith, Walker & Co.	Coal oil	.80
	Standard Oil Co.	do	7.56
	W. U. Simons	Office expenses	3.25
	U. G. Pursell	do	1.15
	W. S. Palmer	do	1.25
	C. E. Hesse	do	57.50
	do	do	4.50
	Jas. Keneally	Traveling expenses	55.40
	C. E. Hesse	do	14.20
	G. W. Felger	do	8.75
	A. Zappone	do	21.50
19	Universal Supply Co.	Ink	22.50
	Harry Heilshorn	Painting shelters	2.00
	California Truck Co.	Hauling	2.25
	P. H. Lannan	Printing bulletins	16.00
	Jas. F. Marek	do	11.00
	Flint & Walling Manufacturing Co.	Express charges	3.55
	Wm. Roney	Telephone rent	6.00
	Michigan Telephone Co.	do	11.25
	Duluth Telephone Co.	do	12.50
	Southwestern Telegraph and Telephone Co.	Telephone services	9.00
	The Northwestern Telegraph Exchange	Telephone rent	18.00
	R. L. Lewis	Telephone services	20.25
	Pacific States Telegraph and Telephone Co.	Telephone rent	18.00
	Southern Bell Telegraph and Telephone Co.	do	7.50
	do	Telephone services	7.50
	Standard Gas and Electric Co.	Gas	12.00
	Raleigh Electric Co.	Electricity	5.22
	Lincoln Traction Co.	do	13.50
	Bank of Tehama County	Office rent	99.06
	Jos. Bryan	do	150.00
	Catherine Wilson	do	140.82
	Chamber of Commerce Building Co.	do	93.21
	Fanny L. Keating	do	90.00
	W. M. Wilson	Office expenses	9.13
	W. M. Dudley	do	1.75
23	Pay roll, Portland, Oreg.	Substation salaries	65.00
	Pay roll, New York, N. Y.	do	35.00
	Pay roll, Shreveport, La.	do	38.84
	Pay roll, Vicksburg, Miss.	do	87.00
	Pay roll, Philadelphia, Pa.	do	38.52
	Pay roll, Augusta, Ga.	do	57.00
	Pay roll, Atlanta, Ga.	do	114.00
	Pay roll, Charleston, S. C.	do	67.00
	do	do	18.00
	Pay roll, Pensacola, Fla.	do	36.00
	Pay roll, Wilmington, S. C.	do	72.00
	Chas. P. Blackly	Services	9.00
	N. W. Wagner	do	21.00
	W. T. Turbeville	do	15.00
	B. F. Modisett	do	30.00
	Thos. A. Boon	do	30.00
	Una V. Hendrix	do	21.00
	C. P. Disney	do	7.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Apr. 23	R. W. Clement .....	Services .....	\$10.10
24	Ch. Ebbighausen .....	do .....	4.25
	D. F. Webber .....	do .....	4.25
	L. C. Ballard .....	do .....	4.25
	D. Frank Thompson .....	do .....	4.25
	Pay roll, Cincinnati, Ohio .....	Substation, salaries .....	186.00
	Pay roll, La Crosse, Wis .....	do .....	63.00
	Alex. G. McAdie .....	Office expenses .....	1.65
	Geo. E. Grimes .....	do .....	.75
	Geo. E. Franklin .....	do .....	3.70
	W. E. Hartwig .....	Traveling expenses .....	9.35
	Ernst T. Giers .....	do .....	9.85
	Fred. A. Schmidt .....	Relief maps .....	720.00
	do .....	Packing maps .....	58.00
	Jas. B. Lambie .....	Machine screws .....	1.04
	Richd. L. Lamb .....	Dating stamps .....	10.80
	Robt. B. Caverly .....	Repairs to faucet .....	1.50
	The Maurice Joyce Engraving Co .....	Engraving plates .....	6.50
	R. Carter Ballantyne .....	Paper .....	64.50
	The Cleveland Telephone Co .....	Rent .....	18.00
	Western Union Telegraph Co .....	Repairs .....	11.10
	Flint & Walling Manufacturing Co .....	Signal towers .....	408.00
	J. P. Nawrath .....	Sponges .....	9.90
	Meteorological Council .....	Compilation of telegrams .....	8.88
	Paine Bros. .....	Office rent .....	73.95
	Tacoma Chamber of Commerce and Board of Trade .....	do .....	60.00
	Society of Savings .....	do .....	285.00
26	Southern Rwy. Co .....	Transportation .....	3.54
	Norfolk and Southern R. R. Co .....	Passenger transportation .....	2.90
	Barnhart Bros. & Spindler .....	Brass rule .....	4.20
	do .....	Supplies .....	1.15
	Wisconsin Telephone Co .....	Service .....	18.00
	The Colorado Telephone Co .....	Rent .....	13.50
	Sunset Telephone and Telegraph Co .....	do .....	6.00
	People's Telephone and Telegraph Co .....	do .....	7.50
	East Tennessee Telephone Co .....	do .....	9.00
	The Colorado Telephone Co .....	do .....	22.50
	F. G. Blaisdell .....	Telephone service .....	8.63
	do .....	Water .....	9.00
	Consolidated Gas Co .....	Gas .....	1.54
	M. O'Connor .....	Services .....	10.00
	The Silver States Towel Supply Co .....	Towel service .....	2.25
	Jas. G. Biddle .....	Ammeter .....	27.50
	Port Royal Dock Co .....	Coal .....	17.12
	Wild & Stevens .....	Printing supplies .....	3.60
	Eimer & Amend .....	Glass tubing, etc .....	17.74
	The Model Drug and Jewelry Co .....	Cleaning clock .....	1.50
	Carter, Rice & Co. (corporation) .....	Paper .....	56.00
	Mill Valley and Mount Tamalpais Scenic Rwy. .....	Laying cable .....	14.00
	G. B. Chadwick & Co .....	Erecting tower .....	50.00
	Emma Ling .....	Cleaning office .....	10.00
	E. L. Page .....	Hauling .....	5.75
	Adelbert A. Bolles .....	do .....	6.00
	A. E. Hackett .....	Office expenses .....	4.70
	Edw. A. Beals .....	do .....	3.35
	L. M. Tarr .....	do .....	9.50
	P. H. Smyth .....	do .....	1.75
	Eliz L. Renoe .....	do .....	4.25
	W. T. Blythe .....	do .....	11.95
	C. F. R. Wappenhaus .....	do .....	3.90
	Geo. M. Chappel .....	Traveling expenses .....	5.75
	Chas. E. Holmes .....	do .....	14.70
27	Houston and Texas Central R. R. Co .....	Passenger transportation .....	27.06
	do .....	do .....	23.45
	Hocking Valley Rwy. Co. ....	do .....	5.00
	Delaware, Lackawanna and Western R. R. Co. ....	do .....	7.00
	Illinois Central R. R. Co .....	do .....	13.20
	Michigan Central R. R. Co .....	do .....	12.89
	The Missouri Pacific Rwy. Co .....	do .....	24.80
	Norfolk and Southern Rwy. Co .....	do .....	1.45
	Chicago, Milwaukee and St. Paul Rwy. Co .....	do .....	12.45
	Fort Worth and Denver City Rwy. Co .....	do .....	23.70
	Stanton Mutual Telephone Co .....	Telephone service .....	37.50
	Cumberland Telephone and Telegraph Co .....	do .....	44.50
	Alabama, Mississippi and Tennessee Tele- phone Co. ....	do .....	6.50
	Alabama and Georgia Long Distance Tele- phone Co. ....	do .....	16.80



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Apr. 27	East Tennessee Telephone Co. ....	Telephone service .....	\$31.00
	Barron County Telephone Co. ....	do .....	15.00
	Almo Telephone Co. ....	do .....	6.00
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co. ....	do .....	22.61
	W. H. Holmes .....	Telegraph service .....	6.00
	Dakota Central Telephone Lines .....	Telephone service .....	155.61
	Corvallis and Eastern R. R. Co. ....	Telegraph service .....	2.60
	Rocky Mountain Bell Telephone Co. ....	Telephone service .....	14.08
	Rising Sun Telephone Co. ....	do .....	2.60
	Josie G. Smith .....	Services .....	7.00
	Geo. F. Lozier .....	do .....	12.00
	Jno. Stack .....	Painting .....	10.00
	Geo. Draper .....	Iron stovepipe .....	.95
	Jas. Hunter .....	Services .....	4.50
	W. H. Smith .....	Use of team .....	19.50
	Isaac Quinn .....	Services .....	1.50
	H. J. Ledoux .....	Abita water .....	3.24
	Sunset Photo. Engraving Co. ....	Half-tone plates .....	12.60
30	W. F. R. Phillips et al. ....	Salaries .....	272.00
	B. F. Larcombe et al. ....	do .....	2,752.98
May 2	Pay roll, Cairo, Ill. ....	Substation, salaries .....	121.95
	Pay roll, Chattanooga, Tenn. ....	do .....	163.70
	Pay roll, Baltimore, Md. ....	do .....	45.00
	Pay roll, Portland, Oreg. ....	do .....	75.00
	Pay roll, New Orleans, La. ....	do .....	84.00
	Albert Brand .....	Office expenses .....	59.97
	T. S. Outram .....	do .....	3.28
	A. Zappone .....	Traveling expenses .....	10.75
	J. W. Gorman .....	Services .....	8.00
	Michigan Telephone Co. ....	do .....	6.00
	A. L. Foster .....	do .....	20.00
	Miami Telephone Co. ....	do .....	3.01
	Cumberland Telephone and Telegraph Co. ....	Rent .....	21.00
	Barnhart Bros. & Spindler .....	Type .....	10.94
	Chas. Eneu Johnson & Co. ....	Lithographing ink .....	107.50
	J. Baumgarten & Sons .....	Rubber stamps .....	.84
	do .....	do .....	2.48
	W. H. Renear .....	Use of horse and wagon .....	2.00
	Clarke & Co. ....	Copyholder .....	2.00
	Jno. C. Parker .....	Letter press, etc .....	16.50
	do .....	Pins .....	3.52
	R. Carter Ballantyne .....	Paper .....	24.00
	Jas. B. Lambie .....	Wire rope .....	3.00
	Broderick Bros. ....	Rags .....	14.00
	Standard Oil Co. ....	Oil .....	5.83
3	Pay roll, Little Rock, Ark. ....	Substation, salaries .....	9.00
	do .....	do .....	42.00
	A. J. Mitchell .....	Office expenses .....	3.35
	S. L. Doshier .....	do .....	10.50
	W. M. Fulton .....	do .....	5.25
	Jos. Sands .....	do .....	1.00
	E. B. Richards .....	do .....	10.75
	W. S. Beldin .....	do .....	7.31
	Wm. G. Burns .....	do .....	2.40
	R. G. Allen .....	do .....	14.60
	T. J. Walz .....	Traveling expenses .....	13.50
	D. C. Grunow .....	do .....	6.20
	Edw. A. Beals .....	do .....	46.25
	New York and Pennsylvania Telephone and Telegraph Co. ....	Telephone rent .....	6.75
	Southern Bell Telephone and Telegraph Co. ....	do .....	12.00
	Geo. Meier & Co. ....	Gum arabic .....	2.20
	American Type Founders Co. ....	Staples .....	25.00
	Danl. W. King .....	Towel service .....	3.75
	Hoke Engraving Plate Co. ....	Recoating plates .....	62.50
	do .....	Stereotype metal .....	11.00
	do .....	Recoating plates .....	62.50
6	Pay roll, Montgomery, Ala. ....	Substation salaries .....	149.00
	Pay roll, Mobile, Ala. ....	do .....	71.25
	Pay roll, Savannah, Ga. ....	do .....	61.00
	Pay roll, Parkersburg, W. Va. ....	do .....	136.50
	Pay roll, Pittsburg, Pa. ....	do .....	304.00
	F. H. Clarke .....	Traveling expenses .....	4.00
	B. S. Pagne .....	do .....	23.00
	J. C. Piercy .....	Office expenses .....	1.00
	E. C. Vose .....	do .....	6.92
	Robt. G. Gillum .....	Services .....	9.00
	H. G. Lichty .....	Cleaning office .....	3.50

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
May 6	Otto Gunderson	Cleaning carpets, etc	\$5.00
	Western Union Telegraph Co	Services	137.49
	Flint and Walling Manufacturing Co.	Steel flagstaff	22.75
9	Wm. Lory	Services	14.84
	M. M. Laidley	do	21.00
	Johnston Barrett	do	2.00
	Pay roll, Fort Smith, Ark.	Substation salaries	39.00
	Pay roll, Raleigh, N. C.	do	83.00
	Pay roll, Nashville, Tenn.	do	58.70
	Pay roll, Jacksonville, Fla.	do	75.00
	Pay roll, St. Louis, Mo.	do	122.05
	C. F. Marvin	Traveling expenses	11.80
	Chas. V. Richey	do	8.25
	Improvement Loan and Trust Co	Office rent	150.00
	Simon W. Everitt	do	8.00
	Frank D. Miracle	do	105.00
	Ohio River Telephone Co.	Telephone service	5.20
	Rocky Mountain Bell Telephone Co.	Telephone rent	9.60
	Sunset Telephone and Telegraph Co.	do	15.00
	New England Telephone and Telegraph Co.	do	14.25
	W. B. Moses and Sons	Desk, etc.	55.00
	Wm. H. Dyer	Sawdust	1.75
	M. Du Perow	Wire	6.00
	J. W. Jordan & Co.	Milliograph roller	10.50
	W. G. Duckett	Palm oil	.40
	The Maurice Joyce Engraving Co.	"Fog studies," etc	13.23
	M. G. Copeland & Co.	Flags	51.95
	Mackall Bros	Glycerin	3.35
	United Typewriter and Supplies Co.	Platen	2.00
	Johnson & Johnson	Wood	1.80
	Robt. D. Willson	Heater, etc.	18.00
	W. R. Prowell	Repairing rain gauge	5.00
	F. D. Day & Co.	Repairing clock	2.00
	J. H. McInnes	Repairing office	9.00
	American Type Founders Co.	Logotypes	5.50
	National Electrical Supply Co.	Installing electric generator	3,960.00
	Robt. Tyler	Printing bulletins	12.50
	A. B. Wood	Washing towels	3.00
	Oregon Short Line R. R. Co.	Passenger transportation	37.50
	Norfolk and Washington, D. C., Steamboat Co.	do	3.00
	Galveston Gas Co.	Gas	18.45
	Max Levy	Electric current	30.00
10	Chas. M. Strong	Office expenses	2.00
	G. N. Salisbury	do	6.32
	J. B. Marbury	do	1.25
	C. P. Cronk	do	4.00
	S. M. Blandford	do	9.60
	Orris W. Roberts	do	1.50
	I. M. Cline	do	6.15
	R. J. Hyatt	do	4.50
	R. A. Fessenden	Traveling expenses	29.55
	W. M. Wilson	do	5.14
	Pay roll, Harrisburg, Pa.	Substations salaries	14.00
	Pay roll, Boston, Mass.	do	691.50
	Pay roll, New Orleans, La.	do	52.50
	Wm. Hengerier	Linoleum	4.90
	do	Laying carpet	4.25
	Peter Gray	Lanterns	2,177.00
	Norwich University	Heat and light	12.00
	do	do	12.00
	Geo. Draper	Coal oil	5.85
	Geo. Watts	Running cable	3.00
	W. E. Saffold	Repairing clock	1.50
	The Kelleys Island Line and Transport Co.	Services	3.50
	Allen Carpet Cleaning Co.	Cleaning rug	1.70
	Potter Bros.	Pulley blocks	1.20
	C. F. Hammond, postmaster	Stamps	1.62
	Southwestern Telegraph and Telephone Co.	Service	12.00
	Cumberland Telephone and Telegraph Co.	do	144.30
	The Central District and Printing Telegraph Co.	do	18.00
11	Pay roll, Galveston, Tex.	Substation salaries	30.00
	Pay roll, New York, N. Y.	do	35.00
	Pay roll, Portland, Me.	do	75.00
	Yates & Co.	Benzine	1.00
	Philip Lindemeyer	Pad ink	18.00
	Simon W. Everitt	Office rent	8.00
	Fred Springmann	Transportation	5.98

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
May 11	Fred Springmann	Transportation	\$12.93
13	United States Express Co	do	35.47
	do	do	31.94
	Adams Express Co	do	60.35
	do	do	48.87
	do	do	9.30
	do	do	29.86
	do	do	18.56
	do	do	14.93
	Seth Schell	Repairing river gauge	5.00
17	Willis L. Moore	Traveling expenses	12.65
	Fredk. Springmann	Transportation	12.14
21	Queen & Co., Incorporated	Induction coil	200.00
	Potter Bros.	Padlock	1.40
	Ray Munroe	Use team, etc	10.25
	Honeyman, DeHart & Co	Iron wire, etc	11.55
	The VanBibber Roller Co.	Casting rollers, etc.	4.00
	M. Cotter	Wood	5.58
	P. H. Cheney & Sons	Lantern support	9.50
	C. H. Davidson	Carpet sweeper	2.00
	The First National Bank	Office rent	126.00
	Jas. G. Biddle	Pulley	2.45
	W. W. Griggs & Son	Gasoline, etc	2.00
	Chippewa Hardware Co	Brooms	.90
	Seneca Falls Manufacturing Co.	Lathe tool, etc	.48
	do	Lathe tools, etc.	177.79
	Flint & Walling Manufacturing Co.	Storm warning towers	86.55
	East Florida Printing Co	Printing bulletins	39.00
	E. D. Beattie	do	36.00
	Statesman Printing Co	Printing annual summary	44.00
	Bennett Printing House	Printing bulletins	20.00
	Joseph F. Marek	do	13.75
	G. H. Boughman	Binding reports	1.75
	W. N. McPhail	Binding forms	.75
	E. F. Ruff	Washing towels, etc	.95
	Fred. Bamford & Co	Painting instrument shelter	7.50
	W. J. Beck	Repairing instrument shelter	3.00
	A. J. Jackson	Erecting instrument shelter	8.00
	W. H. Smith	Use team	58.00
	Sunset Telephone and Telegraph Co.	Rent telephone	4.00
	North Montana Telephone Co	Telephone services	21.40
	Pacific States Telephone and Telegraph Co.	Telephone rent	25.50
	Alabama and Georgia Long Distance Telephone Co.	Telephone service	14.80
	Aurora and Friendship Telephone Line	do	7.80
	Pacific States Telephone and Telegraph Co.	do	.80
	Isle of Wight Telephone and Telegraph Co.	Telegraph service	5.00
	Pacific States Telephone and Telegraph Co.	do	2.60
	Winton Telegraph Co.	do	7.50
	Jacksonville and St. Johns Bar Telegraph Line.	do	8.50
	Philadelphia, Reading and Pottsville Telegraph Co.	do	10.77
	Enterprise Telegraph Co	do	12.70
	Minneapolis, St. Paul and Sault. Ste. Marie Rwy. Co.	do	9.23
	International Ocean Telegraph Co.	do	260.79
	Western Union Telegraph Co	do	149.27
	Pay roll, Galveston, La.	Substation salaries	27.00
	Pay roll, Richmond, Va.	do	6.50
	Pay roll, Atlanta, Ga.	do	14.00
	Pay roll, Montgomery, Ala.	do	30.50
	Alfred H. Thiessen	Office expenses	29.00
	E. R. Demain	do	16.00
	J. C. Hayden	do	1.25
	Frank Jermin	Traveling expenses	12.25
	Alfred H. Thiessen	do	6.25
	W. W. De Lano	Services	5.00
	Lizzie A. Chidester	do	9.00
23	R. P. Clarke & Co.	Millinet	1.75
	Michael O'Leary	Sand	1.50
	Library Bureau	Oak cases	8.00
	Norfolk and Washington Steamboat Co.	Transportation	7.35
	Mittag & Volger	Carbon paper	138.00
	Jas. B. Lambie	Files, etc.	32.42
	Geo. F. Muth & Co.	Draftsmens' pins	2.40
	Lawyer & Wagner	Camera	25.20
	Union Typewriter and Supplies Co.	Platen, etc	2.40
	J. Edw. Turton	Anemometer	17.50
	Wm. H. Dyer	Cherry strips	17.40



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
May 23	Mackall Bros	Paraffin	\$5.20
	Fred A. Schmidt	Drawing paper	6.21
	National Electrical Supply Co.	Knife, etc	1.40
	E. B. Calvert	Traveling expenses	4.85
	Postal Telegraph Cable Co.	Telegraph service	34.08
	do	do	236.19
	United States Express Co	Transportation	.92
	Standard Oil Co	Benzine	6.89
	Southern Rwy. Co.	Passenger transportation	2.64
	do	do	37.95
29	do	Transportation	18.19
	Pere Marquette R. R. Co	do	5.27
	do	do	2.93
	do	do	.78
	do	do	2.67
	Mohawk and Malone R. R. Co	do	.96
	Boston and Albany R. R. Co	do	.94
	Boston and Maine R. R. Co	do	.65
	Fremont, Elkhorn and Missouri Valley R. R. Co.	do	2.22
	Michigan Central R. R. Co	do	.87
	St. Louis and San Francisco R. R. Co	do	13.22
	Savannah and Florida Western R. R. Co	do	6.66
	Virginia and Truckee R. R. Co	do	.95
	Wisconsin Central Rwy. Co	do	.18
	Richmond, Fredericksburg and Potomac R. R. Co.	do	.25
	do	do	.26
	do	do	.59
	Mobile and Ohio R. R. Co	do	6.50
	St. Louis and North Arkansas R. R. Co	do	.40
	New York Central and Hudson River R. R. (lessee).	do	7.29
	Wisconsin Central Rwy. Co	do	.33
	Cincinnati, Hamilton and Dayton Rwy. Co	do	.59
	Ulster and Delaware R. R. Co	do	.77
	International and Great Northern R. R. Co.	do	3.08
	The Hocking Valley Rwy. Co.	do	.51
	Arnold Transportation Co	do	1.62
	Lake Erie and Western R. R. Co	do	.51
	Chicago and Northwestern Rwy. Co	do	8.00
	do	do	4.60
	do	do	2.61
	do	do	.78
	Missouri Pacific Rwy. Co	do	1.92
	do	do	.40
	do	do	11.28
	Harry E. Overstreet	do	.38
	do	do	.50
	Star Union Line	do	.65
	do	do	11.63
	Drain Coos Bay Stage Co	do	1.10
	Central R. R. Co. of New Jersey	do	19.04
	do	do	.35
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do	4.47
	do	do	4.61
	Chesapeake and Ohio Rwy. Co	do	.57
	do	do	13.37
	do	do	12.71
	Chicago, Rock Island and Pacific Rwy. Co	do	.91
	do	do	1.14
	do	do	1.32
	Chicago, Milwaukee and St. Paul Rwy. Co	do	2.98
	do	do	1.04
	do	do	.92
	do	do	.84
	do	do	1.89
	Louisville, Evansville and St. Louis Consolidated R. R. Co.	do	1.23
	do	do	2.85
	Louisville and Nashville R. R. Co	do	.92
	do	do	10.05
	do	do	3.19
	do	do	.56
	Chicago, Burlington and Quincy R. R. Co	do	.87
	Galveston, Houston and Northern Rwy. Co	do	4.31
	Grand Rapids and Indiana Rwy. Co	do	.69
	do	do	.57
	The Colorado Southern Rwy. Co	do	.60

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
May 29	Delaware and Hudson Co. ....	Transportation .....	\$17.65
	do .....	do .....	1.59
	New York Central and Hudson River R. R. Co. ....	do .....	2.50
	New York, Ogdensburg and Watertown Rwy. Co. ....	do .....	.45
	Norfolk and Southern R. R. Co. ....	do .....	.72
	do .....	do .....	.75
	Queen Anne's R. R. Co. ....	do .....	.65
	San Antonio and Aransas Pass Rwy. Co. ....	do .....	1.55
	Illinois Central R. R. Co. ....	do .....	.74
	do .....	do .....	2.32
	Pennsylvania R. R. Co. ....	do .....	1.31
	do .....	do .....	.60
	do .....	do .....	.69
	do .....	do .....	6.22
	do .....	do .....	4.51
	do .....	do .....	1.68
	do .....	do .....	.37
	do .....	do .....	.35
	do .....	do .....	.42
	do .....	do .....	.50
	do .....	do .....	.35
	do .....	do .....	1.86
	do .....	do .....	1.12
	do .....	do .....	.84
	do .....	do .....	.77
31	W. F. R. Phillips et al. ....	Salaries .....	281.00
	B. F. Larcombe et al. ....	do .....	2,698.85
	P. S. Pagne .....	Office expenses .....	21.75
	Ohio River R. R. Co. ....	Telegraph services .....	2.40
	Peoples' Telephone Co. ....	Telephone services .....	5.00
	Chicago, Burlington and Quincy R. R. Co. ....	Telegraph services .....	2.76
	Cincinnati, Hamilton and Dayton R. R. Co. ....	Passenger transportation .....	6.00
	Oregon Short Line R. R. Co. ....	do .....	19.75
	Pennsylvania R. R. Co. ....	do .....	16.50
	Southern Pacific Co. ....	do .....	9.10
	Universal Supply Co. ....	Ink .....	2.50
	The Oregon R. R. and Navigation Co. ....	Passenger transportation .....	42.40
	Chesapeake and Ohio Rwy. Co. ....	do .....	55.20
	Geo. Meier & Co. ....	Litho varnish .....	16.25
	Geo. B. Wurtz .....	Traveling expenses .....	6.00
	C. B. Wentzell .....	Services .....	4.00
	J. S. Hazen .....	Office expenses .....	1.00
	J. W. Smith .....	Traveling expenses .....	1.35
	Boston and Maine R. R. Co. ....	Passenger transportation .....	2.80
	Northern Pacific Rwy. Co. ....	do .....	52.30
	Union Pacific R. R. Co. ....	do .....	43.68
	G. E. Stechert .....	London Electrician .....	6.75
	The J. F. W. Dorman Co. ....	Rubber type .....	257.33
	do .....	do .....	25.49
	do .....	Paper bags .....	4.65
	Atlantic Coast Line R. R. Co. ....	Passenger transportation .....	6.20
	H. C. Bate .....	Traveling expenses .....	6.95
	Alfred H. Theissen .....	Office expenses .....	38.00
	do .....	do .....	32.25
	R. A. Fessenden .....	do .....	20.79
	Pay roll, Boston, Mass. ....	Substations salary .....	36.75
	Jno. A. Richards, deceased ..	Services .....	30.48
	Zetta Higgins .....	do .....	30.00
	Meteorological Council .....	Compilations of telegrams .....	3.77
	Julien P. Friez .....	Repairs to anemometers .....	375.00
	Schneider Bros. ....	Kid skins, etc. ....	11.00
	The Friedenwald Co. ....	Paper wrappers .....	280.56
	The Maurice Joyce Engraving Co. ....	Electrotype plates .....	54.45
	do .....	Logotypes .....	44.00
	Union Typewriter and Supplies Co. ....	Platen .....	2.00
	National Electrical Supply Co. ....	Tape .....	7.00
	Broderick Bros. ....	Rags .....	14.00
	J. C. Entwistle .....	Engraving .....	7.50
	Wm. Ballantyne & Sons. ....	Trigonometric tables .....	3.00
	Jas. B. Lambie .....	Wrenches, etc. ....	14.55
	do .....	Auger, etc. ....	.95
	Jno. C. Parker .....	Cardboard .....	290.40
	do .....	Paper .....	1,658.20
	do .....	Letter press .....	22.72
	Standard Oil Co. ....	Oil .....	5.72
	Jno. J. Games .....	Traveling expenses .....	4.85
	J. W. Smith .....	do .....	7.85
4	Star Union Line. ....	Transportation .....	.45

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
June 4	Star Union Line.....	Transportation.....	\$0.54
	do.....	do.....	.64
	do.....	do.....	1.86
	do.....	do.....	3.28
	Lake Shore and Michigan Southern Rwy. Co. ....	do.....	4.93
	do.....	do.....	.74
	do.....	do.....	.42
	Wabash R. R. Co.....	do.....	3.14
	do.....	do.....	1.01
	do.....	do.....	5.09
	Illinois Central R. R. Co.....	do.....	.27
	do.....	do.....	2.04
	do.....	do.....	.21
	do.....	do.....	.27
	do.....	do.....	.61
	do.....	do.....	.22
	do.....	do.....	.62
	do.....	do.....	.95
	do.....	do.....	.66
	do.....	do.....	.16
	do.....	do.....	.71
	do.....	do.....	.37
	do.....	do.....	1.21
	The Atchison, Topeka and Santa Fe Rwy. Co. ....	do.....	9.96
	do.....	do.....	38.38
	Pennsylvania Co.....	do.....	.37
	do.....	do.....	.42
	Choctaw, Oklahoma and Gulf R. R. Co.....	do.....	1.39
	Hannibal and St. Joseph R. R. Co.....	do.....	.84
	Goodell & Gray.....	do.....	1.00
	Chicago, Indianapolis and Louisville Rwy. Co. ....	do.....	.37
	Cleveland, Lorain and Wheeling Rwy. Co.....	do.....	.48
	Columbia Southern Rwy. Co.....	do.....	.89
	Steamer G. W. Danielson.....	do.....	.94
	Erie R. R. Co.....	do.....	.50
	Fremont, Elkhorn and Missouri Valley R. R. Co. ....	do.....	.54
	Lehigh Valley R. R. Co.....	do.....	.90
	Steamboat Burnside.....	do.....	1.00
	Goodrich Transportation Co.....	do.....	6.75
	F. W. Vogler.....	do.....	3.00
	Chattanooga, Rome and Southern R. R. Co.....	do.....	.62
	Florida East Coast Rwy. Co.....	do.....	29.16
	Kansas City, Fort Scott and Memphis R. R. Co. ....	do.....	6.52
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co. ....	do.....	.57
	Pittsburg and Western Rwy. Co.....	do.....	.77
	The Rio Grande Western Rwy. Co.....	do.....	7.94
	Saranac and Lake Placid R. R. Co.....	do.....	1.21
	Norfolk and Western Rwy. Co.....	do.....	.55
	Peninsular and Occidental S. S. Co.....	do.....	2.75
	Nashville, Chattanooga and St. Louis Rwy. Co. ....	do.....	1.64
	do.....	do.....	4.85
	Duluth, South Shore and Atlantic Rwy. Co.....	do.....	.78
	do.....	do.....	1.27
	Savannah, Florida and Western Rwy. Co.....	do.....	.69
	Terre Haute and Indianapolis R. R. Co.....	do.....	.37
	Pay roll, San Francisco, Cal.....	Substation salaries.....	21.75
	Homer R. Plough.....	Services.....	4.76
	C. B. Wentzell.....	do.....	2.25
	H. B. Hersey.....	Traveling expenses.....	4.70
	I. M. Cline.....	do.....	13.25
	G. R. Oberholzer.....	do.....	8.25
	W. J. Olds.....	do.....	3.00
	Ed. A. Beals.....	do.....	42.70
	Lucius A. Welsh.....	do.....	2.00
	E. B. Richards.....	Office expenses.....	7.50
	Fred. J. Gosewisch.....	do.....	.50
	D. P. McCallum.....	do.....	1.25
	F. H. Brandenburg.....	do.....	8.30
	Jas. Keneally.....	do.....	.75
	Howard K. Holcomb.....	do.....	2.50
	Geo. B. Wurtz.....	do.....	1.25
	Chicago, Rock Island and Pacific Rwy. Co.....	Passenger transportation.....	5.76
	Baltimore and Annapolis Short Line R. R. Co. ....	do.....	1.25



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
June 4	Chesapeake and Ohio Rwy. Co	Passenger transportation	\$17.00
	Galveston, Houston and Northern Rwy. Co	do	14.40
	Pennsylvania Company	do	11.00
	Southern Pacific Co	do	21.75
	Memphis, New Orleans and Cincinnati Packet Co.	do	10.00
	Baltimore and Ohio R. R. Co	do	21.00
	Pittsburg and Cincinnati Packet Co.	do	7.00
	J. W. Mullen	Drayage	1.50
	E. H. Westover	Hauling	10.00
	Jos. F. Marek	Printing bulletins	5.50
	E. D. Beattie	do	36.00
	Dunn & Lemmon	do	12.00
	Vicksburg Herald	Binding reports	3.00
	The Engels Marshall Myers Co.	Cleaning carpets	2.70
	W. G. Bennett	Painting, etc.	9.50
	L. J. Beatty	Repairing, etc.	2.25
	A. Wilson	Repairing clock,	2.00
	P. Benedict	Repairing desk, etc.	2.50
	Universal Supply Co.	Ink	11.00
	C. D. Stewart	Services and material	4.00
	Flint & Walling Manufacturing Co	Angle irons and bolts	4.50
	The Storage Battery Supply Co.	Hydrometer, etc.	1.85
	Eimer & Amend	Glass tubing, etc.	19.87
	Julien P. Friez	Repairs to instruments	42.50
	Jas. G. Biddle	Galvanometer mirrors	8.20
	B. F. Barnes Co	Drill	48.00
	The J. M. Carpenter Tap and Die Co	Plughead tap	.21
	Jno. Fricker	Services, etc.	15.00
	Sam Sloan	Repairing flagstaff	20.00
	Fred M. Locke	Insulators, etc.	7.60
	F. L. Hartenstein	Repairing clock	2.00
	American Electrical Works.	Copper wire	15.84
	do	do	9.44
	Jno. A. Roebblings Son's Co	Iron wire	6.98
	F. F. Bossnot	Cleaning instrument stand	1.00
	Jules Richard	Tele-thermometers	424.21
	Dickerson Bros.	Services and material	50.00
	O. J. Maigne	Recasting rollers	38.36
11	Morris Joyce Engraving Co	Electrotype plates	35.18
	Geo. F. Muth & Co.	Turpentine	26.52
	Jno. C. Parker	Map paper	373.70
	do	Tag board, etc.	16.90
	Thos. Somerville & Sons	Pipe, solder, etc.	10.36
	J. Baumgarten & Sons	Logotypes	1.50
	J. Edw. Turton	Swinging frames, etc.	115.50
	Norfolk and Washington Steamboat Co.	Transportation	3.39
12	Pay roll, New York, N. Y.	Substations, salary	35.00
	L. M. Cline	Traveling expenses	9.25
	R. A. Fessenden	do	6.50
	J. C. Percy	Office expenses	1.40
	Enoch B. Stevens	do	1.60
	People's Telephone Co	Service	5.00
	Alabama, Mississippi and Tennessee Telephone Co.	do	6.50
	Alabama and Georgia Long Distance Telephone Co.	do	15.60
	Ocean Tow Boat Line	do	14.00
	do	do	10.00
	South Florida Telegraph Co	do	3.40
	do	do	6.80
	Postal Telegraph Cable Co. of Texas	do	55.47
	J. T. Harper	do	14.12
	Minneapolis, St. Paul, and Sault Ste. Marie Rwy. Co.	do	10.60
	Great Northwestern Telegraph Co. of Canada.	do	221.00
	do	do	88.42
	Philadelphia, Reading and Pottsville Telegraph Co.	do	10.78
	Ohio River Telegraph Line	do	5.20
	Jacksonville and St. Johns Bar Telegraph Line.	do	7.75
	Corvallis and Eastern R. R. Co	do	2.60
	Rising Sun Telegraph Line	do	2.60
	L. F. Sickenger	Services	21.00
	Hoke Engraving Plate Co.	Recoating plates	75.00
	do	do	75.00
	do	do	62.50

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
June 12	Fred Albright	Use horse	\$1.00
	Allie Mawhrtter	do	1.00
	Oscar W. Bye	do	1.00
	A. McDonald	Services	12.00
	J. H. Thiessen	Packing boxes	48.75
	Barnhart Bros. & Spindler	Galleys	4.50
	Leon Risley	Repairs to wind vane	5.00
	J. E. Denton	Use team	3.00
	Carey Machinery and Supply Co.	Supplies	19.97
	Jas. Brechemin	Reshading map	12.00
	H. W. McDermott	Services	2.00
	J. M. McKeough	Recasting rollers	3.25
	Robt. Tyler	Printing crop bulletin	10.00
	J. W. Holmes	Repairs to telegraph line	8.25
	Western Union Telegraph Co	do	4.00
15	Geo. B. Wurtz	Office expenses	4.00
18	Western Union Telegraph Co	Service	13,727.87
	The Maurice Joyce Engraving Co	Engraving	2.25
	do	Electrotype plates	28.13
	United Typewriter and Supplies Co	Supplies	1.30
	Jno. C. Parker	Paper	479.60
	W. S. Jenks	Thermograph cover	1.75
	J. C. Entwistle	Engraving	7.50
	H. C. Frankenfield	Traveling expenses	82.95
19	Hoke Engraving Plate Co	Recoating plates	25.00
	J. W. Holmes	Repairs to telegraph line	9.00
	A. L. Simmons	do	1.50
	The City and Suburban Telegraph Co	Service	2.35
	Emmer & Amend	Supplies	24.82
	W. H. Smith	Hire team	60.00
	Valley Paper Co	Paper for printing	130.00
	Clarke & Co	Mounting chart, etc	2.00
	Julien P. Friez	Iron castings	13.60
	Kathryn Burke	Repairing calligraph	1.00
	E. H. Moorehouse & Co.	Painting	25.00
	Peter Gray	Lanterns	1,035.00
	The Seneca Falls Manufacturing Co.	Supplies	30.43
	Bennett Printing House	Printing report	16.00
	Pacific Transportation Co	Hauling, etc	20.26
	Jas. Hunter	Drayage	1.50
	Arkansas River Packet Co	Passenger transportation	7.00
	Atchison, Topeka and Santa Fe Rwy. Co	do	15.80
	Norfolk and Western Rwy. Co.	do	16.50
	Burlington and Missouri River R. R. in Nebr.	do	27.15
	The Wabash R. R. Co.	do	27.75
	Fremont, Elkhorn and Missouri Valley R. R. Co.	do	17.19
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co	do	4.45
	Pennsylvania R. R. Co.	do	37.23
	H. C. Bate	Office expenses	13.22
	do	do	7.50
	J. W. Smith	do	44.75
	Geo. Hass Hagen	do	.80
	Alfred H. Thiessen	Traveling	9.50
	O. L. Fassig	do	14.85
	R. A. Fessenden	do	31.90
	Wisconsin Telephone Co.	Service	5.00
	The Central District and Printing Telegraph Co.	do	6.00
	Pacific States Telephone and Telegraph Co.	do	2.60
	H. E. Wadsworth	do	74.67
	Isle of Wight Telephone and Telegraph Co.	do	5.00
	Western Union Telegraph Co	Repairing telegraph line	4.93
	Simon W. Everett	Office rent	8.00
	Daisy D. Jacobs	Services	1.50
	American Type Founders Co	Rules	.90
	do	Type signs	3.30
	Barnhart Bros. & Spindler	Rollers	1.80
	do	Repairing ink disk	.60
	Chicago, Burlington and Quincy R. R. Co.	Transportation	1.59
	Richmond, Fredericksburg and Potomac R. R. Co.	do	.60
	Hannibal and St. Joseph R. R. Co.	do	1.09
	do	do	1.31
	do	do	.86
	Michigan Central R. R. Co.	do	1.72
	Delaware and Hudson Co.	do	.90
	Columbia Southern Rwy. Co	do	.89

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. June 19	Star Union Line	Transportation	\$2.59
	do	do	.89
	Atchison Topeka and Santa Fe R. R. Co	do	6.32
	Pennsylvania R. R. Co	do	.35
	do	do	.35
	do	do	.42
	do	do	.35
	do	do	.67
	do	do	.37
	do	do	.70
	do	do	.44
	do	do	.58
	do	do	2.08
	do	do	.66
	do	do	.25
	Gulf, Western Texas and Pacific Rwy. Co.	do	.45
	Lake Shore and Michigan Southern Rwy. Co.	do	.37
	Pere Marquette R. R. Co.	do	3.13
	do	do	2.26
	do	do	.62
	Louisville and Nashville R. R. Co	do	2.33
	The Oregon Short Line R. R. Co	do	31.95
	do	do	22.91
	New York, New Haven and Hartford R. R. Co	do	1.70
	Maricopa, Phoenix and Salt River Valley R. R. Co.	do	2.16
	New Bedford, Marthas Vineyard and Nantucket Steamboat Co.	do	.91
	Harry E. Overstreet	do	.36
	Chesapeake and Ohio Rwy. Co	do	2.12
	do	do	1.82
	do	do	.44
	Annapolis, Washington and Baltimore R. R. Co.	do	.25
20	Postal Telegraph-Cable Co	Service	245.26
	do	do	34.16
	Sam'l. C. Long	Traveling expenses	12.20
	W. F. R. Phillips	do	16.00
	Jas. H. Kimball	do	8.50
	H. W. Grasse	Office expenses	6.25
	Western Union Telegraph Co.	Labor and material	170.45
	Barnhart Bros. & Spindler	Type	5.82
	American Type Founders Co.	Brass rules	.90
29	Alpheus Drinkwater	Office expenses	.80
	R. B. Harkness	do	2.00
	L. G. Schultz	do	2.40
	A. H. Thiessen	do	29.85
	F. W. Brist	Traveling expenses	30.00
	Corvallis and Eastern R. R. Co.	Service	2.60
	Rising Sun Telegraph Line	do	2.60
	Chicago, Burlington and Quincy R. R. Co	do	2.66
	Western Union Telegraph Co	do	147.35
	International Ocean Telegraph Co.	do	227.63
	Wisconsin Telephone Co.	do	5.40
	Ohio River Telephone Line	do	5.00
	Alabama, Mississippi and Tennessee Telephone Co.	do	6.50
	Aurora and Friendship Telephone Line	do	7.80
	Hoke Engraving Plate Co	Recoating plates	27.25
	Sanderson Bros. Steel Co	Supplies	39.48
	A. C. Perry	Services	2.50
	Towner Hardware Co.	Hoisting rope	2.36
	J. A. Logan	Repairing wind vane	6.00
	Barnhart Bros. & Spindler	Brass rule	4.20
	W. H. Smith	Varnish	5.00
	Alex. H. Revell & Co.	Repairing chair	4.00
	United States Envelope Co.	Envelopes	8.70
	Osborn Cochrane	Reefing halyards	4.00
	Evans & Meekins	Barb wire, varnish, etc.	45.55
	The Billings & Spencer Co	Dies and taps	7.52
	Meteorological Council	Compilation of telegrams	3.65
	W. F. R. Phillips et al	Salaries	272.00
	B. F. Lacombe et al	do	2,567.70
	Total fourth quarter.		79,797.16



## Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
	<i>Supplemental.</i>		
1901.			
July 2	The New York Maritime Register .....	Copy Maritime Register .....	\$35.00
	S. A. Potter .....	Use ground, Arlington, Va. ....	30.00
	T. C. Golden .....	Floor .....	1.95
	H. C. Beeson .....	Marine directories .....	50.00
	Allie Mawhirter .....	Use horse .....	2.00
	Brownell & McPhee .....	Ink .....	1.00
	Grand Trunk Rwy. System .....	Passenger transportation .....	2.84
	The State Journal Co. ....	Printing bulletins .....	31.20
	Indianapolis Light and Power Co. ....	Electric power .....	18.00
	Henry T. Legler .....	Electric light .....	3.50
	E. A. Born .....	Electric current .....	6.00
	P. C. Shaw .....	Towel supply .....	6.00
	Norfolk Steam Laundry Co. ....	do .....	3.00
	M. J. Greer .....	do .....	1.50
	Amelia McLean .....	do .....	3.00
	C. W. Byrnes .....	do .....	3.00
	The Inland Telephone and Telegraph Co. ....	Rent .....	9.00
	D. P. Fisher .....	Painting .....	6.00
	Jno. McCallum .....	Moving storm-warning towers .....	35.00
	Joe Coley .....	Repairing telegraph line .....	7.50
	Jno. Lang .....	do .....	2.50
	F. E. Norton .....	Erecting lantern shelter, etc. ....	10.00
	Cavalier Bros .....	Erecting support .....	75.00
	S. Spiro .....	Repairing rain gauge .....	.50
	Isaac M. Small .....	Services .....	5.35
	E. W. Buckingham .....	Repairing clock .....	2.50
	Ora Burgess .....	Cleaning office .....	3.00
	C. J. Oyler .....	Washing towels, etc. ....	4.50
	Frank Ridgway .....	Office expenses .....	3.95
	S. S. Bassler .....	do .....	2.00
	David Cuthbertson .....	do .....	4.74
	Jno. R. Weeks .....	do .....	.50
	Saml. L. Mosby .....	Traveling expenses .....	3.25
	do .....	do .....	7.60
	Solomon Hyman .....	do .....	1.70
	Jno. Gover .....	do .....	44.65
	B. S. Pagne .....	do .....	7.50
	Alex. G. McAdie .....	do .....	4.00
	Balfe D. Johnson .....	Office rent .....	63.00
	City of Columbia, S. C. ....	do .....	90.00
	Maggie French .....	do .....	59.20
	Ulysses G. Myers .....	do .....	175.00
	Mary C. Pratt et al. ....	do .....	93.75
	The Farmers' National Bank of Fresno .....	do .....	115.00
	Indianapolis Gas Co. ....	do .....	250.00
	R. McLaughlin .....	do .....	150.00
	The Conrad National Bank .....	do .....	67.50
	Dent & Butler .....	do .....	105.00
	Albert W. Kennie .....	do .....	42.00
	Citizens' Bank of Norfolk, Va. ....	do .....	131.25
	Walla Walla Lodge, No. 56, I. O. O. F. ....	do .....	84.87
	A. C. Rackliff .....	do .....	75.00
	E. H. Jamison .....	do .....	135.00
	A. J. Knight .....	do .....	82.19
	E. P. Jones .....	do .....	25.00
	E. J. Davenport .....	do .....	100.00
	Edgar Harding .....	do .....	87.50
	Ella W. Daniels .....	do .....	87.50
	Prudential Building Co. ....	do .....	134.96
	Peter Sonna .....	do .....	120.00
	F. E. Warren Mercantile Co. ....	do .....	129.40
	H. Wallenberg, administrator .....	do .....	77.25
	Chas. P. Meekins .....	do .....	10.00
3	Charlevoix Electric Light Plant .....	Electric light .....	4.50
	Tampa Electric Co. ....	do .....	5.00
	do .....	do .....	2.75
	Eliz. L. Renoe .....	Office expenses .....	3.25
	F. L. McClintic .....	do .....	1.80
	Simon Nusbaum, postmaster .....	Rent of post-office box .....	1.50
	Chicago Auditorium Association .....	Office rent .....	450.00
	Ed. Ketchum .....	Hauling .....	3.25
	Wm. McLaughlin .....	do .....	1.35
	C. A. Blummer .....	Services .....	15.00
	Georgetown Iron Works .....	Repairing vane .....	5.00
	Grant Rivenburg .....	Ice .....	3.19
	The Southwestern Telegraph and Tele- phone Co. ....	Rent .....	9.00
	Citizens' Telephone Co. ....	do .....	6.00
	Cumberland Telephone and Telegraph Co. ....	do .....	10.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901.			
July 3	Santa Fe Electric Telephone Co .....	Rent .....	\$6.00
	Capital Telephone and Telegraph Co .....	do .....	4.50
	The Southern New England Telephone Co. ....	do .....	27.00
	Dodge City Telephone Co .....	do .....	3.00
	Southern Bell Telephone and Telegraph Co. ....	do .....	12.00
	Southwestern Telegraph and Telephone Co. ....	do .....	15.00
	The Northwestern Telephone Exchange .....	do .....	9.00
	Southern Bell Telephone and Telegraph Co .....	do .....	10.00
	Southern States Telephone Co .....	do .....	9.50
	Southern Bell Telephone and Telegraph Co .....	do .....	7.50
	Nebraska Telephone Co .....	do .....	12.00
	Wisconsin Telephone Co .....	do .....	3.75
	La Crosse Telephone Co .....	do .....	7.50
	Pennsylvania Telephone Co .....	do .....	20.00
	Sunset Telephone and Telegraph Co .....	do .....	6.00
	The Telephone Co. of South Jersey .....	do .....	5.00
	New York and Pennsylvania Telephone and Telegraph Co .....	do .....	21.00
	Central Union Telephone Co .....	Services .....	10.50
	Missouri and Kansas Telephone Co .....	do .....	9.00
	Rocky Mountain Bell Telephone Co .....	do .....	8.25
	The Empire State Telephone and Telegraph Co .....	do .....	15.00
	Ontario Telephone Co .....	do .....	7.50
	Southern Bell Telephone and Telegraph Co .....	do .....	3.00
	Lynchburg Telephone Co .....	do .....	3.00
	The Pacific States Telephone and Telegraph Co .....	do .....	9.00
	The Bell Telephone Co. of Buffalo .....	do .....	21.50
5	Henry J. Green .....	Thermometers .....	140.00
	Hoke Engraving Plate Co .....	Recoating plates .....	50.00
	Ray Munroe .....	Services .....	10.50
	P. Murray .....	Cleaning carpets, etc. ....	3.50
	The R. L. Bryan Co. ....	Printing bulletins .....	48.00
	Talbott & Hamann .....	do .....	21.72
	E. D. Beattie .....	do .....	36.00
	Horace G. Whitney .....	do .....	27.50
	Robt. Tyler .....	do .....	10.00
	W. W. McCollough .....	Constructing river gauge .....	82.00
	Lincoln Traction Co .....	Electric current .....	13.50
	San Antonio Gas and Electric Co .....	do .....	6.25
	Fort Wayne Electric Works .....	Brush holders, etc. ....	5.00
	American Linen Supply Co .....	Towel service .....	3.00
	Kentucky Laundry Co .....	do .....	1.50
	E. M. Bowman .....	Drayage .....	1.00
	O. I. Mairs .....	do .....	.50
	T. B. Satterwhite & Co .....	Ice .....	1.30
	E. S. Hughs & Co .....	Office rent .....	106.11
	Pacific Club .....	do .....	67.50
	Orson Adams, jr. ....	do .....	120.00
	S. B. Hicks .....	do .....	120.00
	Utah and Pacific R. R. Co .....	do .....	45.00
	G. E. Shaw .....	do .....	70.00
	T. M. Jeffris & Co .....	do .....	100.00
	Union Trust Building Co .....	do .....	167.50
	H. F. Barnett .....	do .....	10.00
	T. B. Catron .....	do .....	105.00
	O. I. Mairs .....	do .....	67.50
	The Gamble Desmond Co .....	do .....	100.00
	Otto B. Hart .....	do .....	24.00
	Eliz. L. Rence .....	do .....	100.00
	C. M. Beeson .....	do .....	88.91
	Tyree & Wilkins, agents .....	do .....	67.50
	Geo. L. Lovett .....	do .....	105.00
	Wm. Poilman .....	do .....	87.50
	The Marquette County Savings Bank .....	do .....	90.00
	American Surety Co. of New York .....	do .....	625.00
	H. Overholzer .....	do .....	127.50
	D. Horton .....	do .....	120.00
	Estate of Isaac Eberly .....	do .....	154.00
	Warfield & Dann .....	do .....	75.00
	East Tennessee Telephone Co .....	Rent .....	9.00
	do .....	do .....	9.00
	The Woodford Telephone Co .....	do .....	5.00
	Central Union Telephone Co .....	do .....	40.50
	Chicago Telephone Co .....	do .....	57.50
	Rocky Mountain Bell Telephone Co .....	do .....	10.50

Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901.			
July 5	Cumberland Telephone and Telegraph Co.	Rent and service .....	\$16.50
	San Antonio Telephone Co .....	do .....	10.50
	Southern Bell Telephone and Telegraph Co.	do .....	10.00
	Delaware, Lackawanna, and Western R. R. Co.	Passenger transportation .....	7.75
	Pittsburg and Cincinnati Packet Line .....	do .....	7.00
	Missouri Pacific Rwy. Co .....	do .....	7.50
	Katherine Ryan .....	Services .....	12.00
	J. W. Branan .....	do .....	15.00
6	Fredk. Springmann .....	Transportation .....	6.75
	United States Express Co .....	do .....	14.57
	Geo. F. Muth & Co .....	Supplies .....	27.49
	J. Baumgarten & Sons .....	Rubber stamps .....	24.47
7	Pay roll, New Haven, Conn .....	Substation, salaries .....	32.84
	Pay roll, Chicago, Ill .....	do .....	364.00
	Pay roll, Shreveport, La .....	do .....	42.00
	Pay roll, Harrisburg, Pa .....	do .....	42.00
	Pay roll, Norfolk, Va .....	do .....	105.00
	Baltimore and Ohio R. R. Co .....	Passenger transportation .....	10.25
	G. Luchtenberg .....	Repairing clock .....	3.00
	People's Telephone and Telegraph Co .....	Rent .....	7.50
	Times Journal Publishing Co .....	Printing bulletin .....	18.00
	Evans & Meekins .....	Gasoline .....	1.50
	Bernstein & Co .....	Repairing register case .....	1.75
	J. C. Worthington .....	Services .....	3.50
	T. J. Derby .....	Erecting instrument shelters .....	11.00
9	Jos. Urlacher .....	Transportation .....	1.00
	Burlington and Missouri River R. R. in Nebraska.	do .....	14.50
	Chicago, Rock Island and Texas Rwy. Co .....	do .....	1.25
	Cleveland, Cincinnati, Chicago and St. Louis Rwy. Co.	do .....	6.43
	New York, New Haven and Hartford R. R. Co.	do .....	10.38
	Union Pacific R. R. Co .....	do .....	2.38
	Wabash R. R. Co .....	do .....	3.25
	The Cleveland, Lorain and Wheeling Rwy. Co.	do .....	.49
	Annapolis, Washington and Baltimore R. R. Co.	do .....	10.79
	Deckerville, Osceola and Northern R. R. Co.	do .....	1.21
11	Louisville and Nashville R. R. Co .....	do .....	2.41
	N. W. Wagner .....	Services .....	21.00
	Jno. T. Myers .....	do .....	15.00
	Jas. Evans .....	do .....	9.00
	Bank and Insurance Building Co .....	Office rent .....	100.00
	Frank D. Miracle .....	do .....	105.00
	Pay roll, Buffalo, N. Y .....	Substation, salaries .....	127.80
	Pay roll, Chicago, Ill .....	do .....	385.00
	Pay roll, Parkersburg, W. Va .....	do .....	135.67
	Pay roll, Atlanta, Ga .....	do .....	72.00
	do .....	do .....	135.20
	Pay roll, Memphis, Tenn .....	do .....	182.40
	Baltimore Towel Supply Co .....	Washing towels .....	2.25
	Thos. Barry .....	do .....	6.00
	Chas. G. Le Clair .....	Ice .....	1.00
	American Ice Co .....	do .....	2.00
	Hoke Engraving Plate Co .....	Stereotype metal .....	10.60
	Faneuil Watch Tool Co .....	Supplies for repairing instruments.	232.20
	Val Blatz Sons .....	Benzine .....	2.25
	Arizona Publishing Co .....	Printing bulletins .....	90.50
	C. B. Little .....	Water .....	11.00
	Board of Public Works .....	do .....	3.50
	Lehigh Valley R. R. Co .....	Transportation .....	6.08
	E. H. Furbush .....	Drayage .....	.50
	McCormick & Bates .....	do .....	.75
	Hoke Engraving Plate Co .....	Recoating plates .....	62.50
	Cumberland Telephone and Telegraph Co.	Rent .....	21.00
	O. D. Steward .....	Office expenses .....	3.15
	J. W. Smith .....	Traveling expenses .....	9.65
	Jas. J. Gray .....	Office expenses .....	7.71
	J. W. Bauer .....	do .....	.60
	W. S. Currier .....	do .....	1.75
	Allen Buell .....	do .....	2.90
	E. H. Nimmo .....	do .....	.50
	Geo. T. Todd .....	do .....	4.25



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901.			
July 11	H. B. Hersey.....	Office expenses.....	\$10.92
	W. M. Fulton.....	do.....	11.25
	Albert Ashenberger.....	do.....	.25
	G. N. Wilson.....	do.....	2.65
	Wm. M. Neifert.....	Traveling.....	4.00
	R. A. Fessenden.....	Office expenses.....	4.50
12	Real Estate and Law Building Co.....	Office rent.....	43.75
	Lorenzo Littlefield.....	do.....	64.99
	Ray G. Lewis.....	do.....	5.00
	Henry Bolton.....	do.....	52.84
	Albert Marty.....	do.....	165.00
	J. L. Manning.....	do.....	58.94
	Jos. Gussenhoven.....	do.....	90.00
	Jno. Semer.....	do.....	114.00
	H. W. Styron.....	do.....	58.63
	City of Palestine, Tex.....	do.....	78.50
	Jno. G. Brown.....	do.....	75.00
	C. S. McLaury et al.....	do.....	69.00
	Bank of Tehama County.....	do.....	99.06
	Fannie L. Keating.....	do.....	90.00
	Edw. W. Osborn.....	do.....	87.50
	Geo. S. Waite.....	do.....	119.82
	Portland Trust Co. of Oregon.....	do.....	210.00
	Margaret Parmentier.....	do.....	75.00
	Luke & Smith.....	do.....	75.00
	Mount Washington Rwy. Co.....	do.....	5.00
	W. D. Grant.....	do.....	225.00
	Amarillo Improvement Co.....	do.....	30.00
	B. S. Williams.....	do.....	73.00
	Northwestern Mutual Life Insurance Co.....	do.....	124.00
	Paine Bros.....	do.....	73.95
	C. L. Graves.....	Drayage.....	.75
	O. J. Glenn.....	do.....	4.85
	Samuels Transfer and Storage Co.....	do.....	1.50
	Buffalo Gas Co.....	Gas.....	7.90
	Southern Bell Telephone and Telegraph Co.....	Rent.....	13.50
	The Chesapeake and Potomac Telephone Co.....	do.....	31.25
	The Union Telephone Co.....	do.....	5.00
	Alpena Electric Light Co.....	Electric light.....	5.00
	United Electric Light and Power Co.....	do.....	3.00
	Transylvania Co.....	Repairs to caligraph.....	2.00
	Robertson & Weitzell.....	Benzine.....	.50
	J. I. Lengsfeld.....	Printing bulletins.....	38.40
	W. H. H. Smith.....	Use horse and wagon.....	11.00
	Ed. E. Hayes.....	do.....	1.90
	M. A. Graham.....	Washing towels.....	1.50
18	Michael O'Leary.....	Sand.....	1.50
	The Chesapeake and Potomac Telephone Co.....	Service.....	35.80
	Jas. B. Lambie.....	Leather belting.....	13.94
	Geo. F. Muth & Co.....	Tape line.....	9.25
	do.....	Pen.....	1.35
	Postal Telegraph-Cable Co.....	Service.....	29.21
	H. B. Boyer.....	Office expenses.....	.40
	P. H. Smith.....	do.....	.50
	J. B. Marbury.....	do.....	5.35
	A. C. Burrows.....	do.....	.75
	Geo. E. Franklin.....	do.....	2.80
	Pay roll, Portland, Me.....	Substation salaries.....	75.00
	Pay roll, Des Moines, Iowa.....	do.....	280.80
	Pay roll, Baltimore, Md.....	do.....	45.00
	Pay roll, Alpena, Mich.....	do.....	85.00
	Pay roll, New York, N. Y.....	do.....	35.00
	Pay roll, Pensacola, Fla.....	do.....	36.00
	M. E. Conway.....	Office rent.....	37.74
	H. H. Taylor, agent.....	do.....	322.50
	Jas. L. Connell.....	do.....	118.75
	The First National Bank, Portland, Me.....	do.....	126.00
	Jno. E. Dooly.....	do.....	150.00
	Catherine Wilson.....	do.....	140.82
	Adam Geiger.....	do.....	60.00
	H. S. Gilbert, county treasurer.....	do.....	67.00
	Simon W. Everett.....	do.....	8.00
	Jas. K. Porter.....	do.....	150.00
	L. Rogers.....	Services.....	15.00
	Carrie M. Frahm.....	do.....	12.50
	Robt. Maxwell.....	do.....	25.00
	J. W. Tait.....	do.....	25.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901.			
July 18	A. B. Weir .....	Services .....	\$25.00
	N. P. Arnold .....	do .....	37.50
	E. J. Plough .....	do .....	7.74
	Starling Swigert .....	do .....	21.00
	M. M. Laidley .....	do .....	21.00
	Western Union Telegraph Co. ....	Service .....	1.05
	New England Telephone and Telegraph Co. ....	do .....	2.55
	International Ocean Telegraph Co. ....	do .....	212.90
	do .....	do .....	145.19
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co. ....	do .....	12.27
	Great Northwestern Telegraph Co. ....	do .....	138.99
	Postal Telegraph and Cable Co. of Texas .....	do .....	59.77
	Jacksonville and St. Johns Bar Telegraph Line. ....	do .....	4.00
	Philadelphia, Reading and Pottsville Telegraph Co. ....	do .....	10.71
	Isle of Wight Telephone and Telegraph Co. ....	do .....	5.20
	The Central District and Printing Telegraph Co. ....	do .....	6.20
	Pacific States Telephone and Telegraph Co. ....	do .....	2.50
	Alabama and Georgia Long Distance Telephone Co. ....	do .....	14.50
	Aurora and Friendship Telephone Line .....	do .....	7.80
	Georgia Telephone and Telegraph Co. ....	do .....	10.00
	Hudson River Telephone Co. ....	do .....	16.50
	Delaware and Atlantic Telegraph and Telephone Co. ....	do .....	12.00
	Southern Bell Telephone and Telegraph Co. ....	do .....	15.00
	Thos. H. Smith .....	Cleaning motor .....	2.50
	Cumberland Electric Light and Power Co. ....	Electric current .....	15.00
	Grand Haven City Electric Light Co. ....	do .....	3.75
	O. C. G. Urban .....	do .....	2.00
	People's Gaslight and Coke Co. ....	Gas .....	8.40
	Mary Fantleroy .....	Towel service .....	1.50
	The American Toilet Supply Co. ....	do .....	2.25
	J. F. Beck .....	do .....	3.00
	Meteorological Council .....	Compilation of telegrams .....	3.77
	Bennett Printing House .....	Printing report .....	16.00
	Indiana Printing and Manufacturing Co. ....	Paper .....	4.75
	H. A. Brossard .....	Drayage .....	3.75
	F. L. Johnson .....	Office expenses .....	2.00
	Wm. G. Burns .....	do .....	5.10
	F. H. Clarke .....	do .....	4.75
	Geo. A. Loveland .....	do .....	6.60
	H. B. Dick .....	do .....	5.25
	W. H. Fallon .....	do .....	.50
	Robt. L. Anderson .....	do .....	1.00
	M. J. Wright, jr. ....	do .....	.50
	W. S. Belden .....	do .....	8.10
	L. H. Murdock .....	do .....	2.75
	Chas. M. Strong .....	do .....	1.00
	Marcos Sanchez .....	Services .....	15.00
	E. J. Kelliher .....	do .....	15.00
	J. W. Holmes .....	Repairing telegraph line .....	6.00
	Thos. W. Pemberton .....	Electric light .....	5.10
	McEwen & Lanver .....	Wood .....	1.92
	F. T. Whittemore .....	Repairing clock .....	1.50
	Chase Paint and Oil Co. ....	Benzine .....	1.50
	H. L. Pittock .....	Electric current .....	18.00
	The Portland Gas Co. ....	Gas .....	10.50
	Holmes Coal and Ice Co. ....	Ice .....	1.20
	J. W. Holmes .....	do .....	2.80
	P. Minor .....	do .....	9.95
	Columbia Telephone Co. ....	Rent .....	10.50
	The Colorado Telephone Co. ....	do .....	22.50
	Pacific States Telephone and Telegraph Co. ....	do .....	22.50
	do .....	do .....	7.50
	Southern Bell Telephone and Telegraph Co. ....	do .....	20.00
	The City and Suburban Telegraph Assn. ....	Service .....	21.00
	Cumberland Telephone and Telegraph Co. ....	Rent .....	29.85
	Missouri and Kansas Telephone Co. ....	Service .....	30.00
	Cumberland Telephone and Telegraph Co. ....	Rent .....	12.00
	East Tennessee Telephone Co. ....	Service .....	10.50
	The Colorado Telephone Co. ....	Rent .....	13.50
	The Central District and Printing Telegraph Co. ....	do .....	34.25

## Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901.			
July 18	Missouri and Kansas Telephone Co .....	Rent .....	\$6.00
	do .....	do .....	18.00
	Iowa Telephone Co .....	do .....	30.00
	Uriah P. Dodge .....	Use team .....	1.00
	L. Rodgers .....	Use horse and cart .....	30.00
	Summers Printing Co .....	Printing report .....	42.00
	L. Naegele & Sons .....	do .....	21.00
	Banner Laundering Co .....	Towel service .....	6.00
	Laura Warimer .....	do .....	3.00
20	The Silver State Towel Supply Co .....	do .....	2.25
	C. P. Disney .....	Services .....	21.00
	L. W. Glenn .....	Office expenses .....	2.92
	Hal P. Hardin .....	do .....	2.75
	T. S. Outram .....	do .....	2.85
	Jas. J. Gray .....	do .....	1.50
	P. McDonough .....	do .....	.50
	E. H. Emery .....	do .....	19.28
	F. A. Carpenter .....	do .....	8.30
	R. M. Hardinge .....	do .....	2.35
	U. G. Purssell .....	do .....	.25
	M. E. Blystone .....	do .....	1.20
	J. S. Hazen .....	do .....	.50
	Aaron H. Bell .....	do .....	2.00
	N. D. Lane .....	do .....	1.80
	J. M. Sherier .....	do .....	1.75
	Geo. Reeder .....	do .....	.70
	A. E. Hackett .....	do .....	6.85
	L. M. Pindell .....	do .....	1.00
	L. N. Jesunofsky .....	do .....	2.00
	J. P. Bolton .....	do .....	2.50
	R. A. Fessenden .....	Traveling expenses .....	26.75
	Jas. J. Widmeyer .....	do .....	13.75
	M. W. Hayes .....	do .....	9.25
	Fredk. W. Brist .....	do .....	12.85
	W. T. Blythe .....	do .....	4.10
22	Pay roll, Savannah, Ga .....	Substation, salaries .....	61.00
	W. M. Wilson .....	Office expenses .....	5.90
	Thos. A. Boon .....	Services .....	30.00
	W. T. Turbeville .....	do .....	15.00
	Josie G. Smith .....	do .....	21.00
	B. F. Modisett .....	do .....	30.00
	Una V. Hendrix .....	do .....	21.00
	Estate of Ellen C. Thompson .....	do .....	15.16
	Pay roll, Montgomery, Ala .....	Substation, salaries .....	67.00
	Pay roll, La Crosse, Wis .....	do .....	63.00
	Pay roll, Sault Ste. Marie, Mich .....	do .....	74.66
	Pay roll, Wilmington, N. C .....	do .....	72.00
	Pay roll, Philadelphia, Pa .....	do .....	69.00
	Pay roll, Milwaukee, Wis .....	do .....	145.00
	Pay roll, New Orleans, La .....	do .....	67.50
	Wisconsin Telephone Co .....	Service .....	18.00
23	Northwestern Telephone Exchange Co .....	do .....	18.00
	Cumberland Telephone and Telegraph Co .....	Rent .....	30.00
	Black Hills Telegraph and Telephone Co .....	do .....	21.00
	Pacific States Telegraph and Telephone Co .....	do .....	18.00
	Southern Bell Telephone and Telegraph Co .....	Service .....	4.50
	do .....	do .....	8.25
	Interstate Telephone and Telegraph Co .....	do .....	4.50
	Rocky Mountain Bell Telephone Co .....	do .....	9.00
	Iowa Telephone Co .....	do .....	13.50
	Columbia Telephone Co .....	Rent .....	6.00
	Meridian Telephone Co .....	do .....	6.00
	R. L. Lewis .....	do .....	20.25
	Geo. W. Finch .....	do .....	6.00
	New England Telephone and Telegraph Co .....	do .....	9.00
	A. Hamacek .....	Electric current .....	5.00
	Menominee Electric Light, Railway, and Power Co .....	do .....	3.50
	Geo. A. Orr .....	do .....	4.00
	Board of Fire and Water Commissioners .....	do .....	5.00
	Washburn Electric Light and Power Co .....	do .....	4.00
	Ashland Light, Power, and Street Rwy. Co .....	do .....	5.00
	Edison Sault Electric Co .....	do .....	10.62
	Minnesota International Electric Co .....	do .....	15.00
	Georgetown Electric Co .....	do .....	6.75
	W. L. Howes .....	Drayage .....	1.50
	Chas. D. Page .....	do .....	4.75
	M. T. Hayden .....	Washing towels .....	3.00
	Nashville Laundry Co .....	do .....	1.80



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901.			
July 23	Geo. M. Hubinger .....	Washing towels .....	\$3.00
	Theodore Schallere .....	Painting .....	9.00
	Robt. Aldenbrook .....	do .....	5.00
	J. H. Ledoux .....	Water .....	6.42
	Consolidated Gas Co .....	Gas .....	.55
	The Maine Record Publishing Co .....	Marine Record .....	38.00
	John Longstaff .....	Printing bulletins .....	27.50
	H. B. Todd .....	Traveling expenses .....	8.60
	L. M. Tarr .....	Office expenses .....	10.00
	E. A. Beals .....	do .....	1.00
	S. Hackett .....	do .....	.50
	Albert Brand .....	do .....	30.84
	E. C. Vose .....	do .....	4.15
	W. S. Palmer .....	do .....	1.16
24	Pay roll, Boston, Mass. ....	Substation, salaries .....	758.25
	Pay roll, Little Rock, Ark .....	do .....	167.00
	Pay roll, Montgomery, Ala .....	do .....	106.40
	Pay roll, Mobile, Ala .....	do .....	72.00
	Pay roll, New Orleans, La .....	do .....	181.40
	do .....	do .....	84.00
	Pay roll, Augusta, Ga .....	do .....	136.80
	do .....	do .....	34.50
	Pay roll, Raleigh, N. C. ....	do .....	111.00
	Pay roll, Wilmington, N. C. ....	do .....	106.40
	Pay roll, Charleston, S. C. ....	do .....	60.83
	do .....	do .....	88.00
	Pay roll, Nashville, Tenn. ....	do .....	70.50
	Pay roll, Chattanooga, Tenn. ....	do .....	151.80
	Pay roll, Cairo, Ill .....	do .....	139.10
	Pay roll, Pittsburg, Pa .....	do .....	324.25
	Pay roll, Duluth, Minn .....	do .....	106.65
	Pay roll, Cleveland, Ohio .....	do .....	141.99
	Pay roll, Columbus, Ohio .....	do .....	235.80
	Pay roll, Omaha, Nebr .....	do .....	45.10
	do .....	do .....	230.60
	Pay roll, Minneapolis, Minn .....	do .....	343.00
	Pay roll, Houghton, Mich .....	do .....	42.66
	Pay roll, Escanaba, Mich .....	do .....	37.50
	Pay roll, Cincinnati, Ohio .....	do .....	192.50
	Pay roll, Indianapolis, Ind .....	do .....	181.80
Aug. 3	Pay roll, La Crosse, Wis. ....	do .....	4.50
	Pay roll, Savannah, Ga .....	do .....	166.60
	Pay roll, Vicksburg, Miss .....	do .....	78.00
	do .....	do .....	60.80
	Pay roll, New Orleans, La .....	do .....	105.80
	Pay roll, Kansas City, Mo .....	do .....	294.60
	Pay roll, St. Louis, Mo .....	do .....	146.60
	Pay roll, Fort Smith, Ark .....	do .....	39.00
	Pay roll, Little Rock, Ark .....	do .....	9.00
	do .....	do .....	42.00
	Pay roll, Louisville, Ky .....	do .....	271.80
	Mattie D. McKee .....	Services .....	9.60
	Ed. J. Kendall .....	do .....	25.00
	Postal Telegraph Cable Co. ....	Service .....	270.99
	Geo. C. Maynard .....	do .....	102.04
	J. H. Robinson .....	Traveling expenses .....	15.50
	M. G. Copeland & Co .....	Flag .....	57.20
	do .....	do .....	35.60
	J. Baumgarten & Sons .....	Rubber stamps .....	2.61
	Fred. A. Schmidt .....	Maps .....	364.00
	do .....	do .....	24.00
	E. A. Hughes .....	Electric light .....	9.00
	City of East Tawas, Mich .....	Electric current .....	7.50
	Max Levy .....	do .....	30.00
	Norwich University .....	Electric current, etc .....	12.00
	Charleston Consolidated Railway, Gas, and Electric Co. ....	Electric current .....	3.00
7	People's Gas and Electric Co .....	do .....	1.40
	Excelsior Electric Co .....	do .....	1.50
	Electric Lighting Co. of Mobile .....	do .....	1.50
	Standard Gas and Electric Co. ....	Gas .....	10.20
	Nashville Gas Co .....	do .....	11.60
	Galveston Gas Co .....	do .....	23.10
	W. H. Renear .....	Use horse and wagon .....	2.00
	Dan. W. King .....	Washing towels .....	3.75
	Omaha Towel Co .....	do .....	3.00
	Dora Moyer .....	Washing flags .....	6.00
	N. B. Wood .....	Washing towels .....	3.00
	Doster & McCurdy .....	Ice .....	16.50

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901.			
Aug. 7	Chas. H. Rowland .....	Ice .....	\$1.50
	R. B. Smith .....	Cleaning river gauge .....	10.00
	Tuttle Paint and Glass Co. ....	Service, etc. ....	8.50
	Blackmore & Beutle .....	Gasoline, etc. ....	4.70
	Pacific States Telephone and Telegraph Co.	Rent .....	25.50
	New York and Pennsylvania Telephone and Telegraph Co.	do .....	6.75
	New York Telephone Co. ....	do .....	60.00
	The Northwestern Telephone Exchange Co.	Service .....	18.00
	The Cleveland Telephone Co. ....	do .....	18.00
	Mutual Telephone Co. ....	do .....	22.50
	Michigan Telephone Co. ....	Rent .....	6.00
	do .....	do .....	6.00
	do .....	do .....	2.50
	do .....	do .....	6.00
	do .....	do .....	38.25
	The Bell Telephone Co. of Missouri ..	do .....	16.25
	The Bell Telephone Co. of Buffalo ..	do .....	32.00
	Southwestern Telephone and Telegraph Co.	Rent and service .....	12.00
	Southern Bell Telephone and Telegraph Co.	Rent .....	7.50
	do .....	do .....	7.50
	do .....	do .....	7.50
	Sunset Telephone and Telegraph Co. ....	do .....	6.00
	do .....	do .....	15.00
	G. R. Oberholzer .....	Office expenses .....	.80
	B. S. Pagne .....	do .....	37.87
	C. F. R. Wappenhaus .....	do .....	4.75
	R. H. Dean .....	do .....	.25
	W. M. Dudley .....	do .....	.55
	W. T. Blythe .....	do .....	5.55
	Geo. W. Felger .....	do .....	.50
	W. S. Palmer .....	do .....	4.25
	E. A. Evans .....	do .....	8.55
	Geo. M. Salisbury .....	do .....	7.70
	R. A. Fessenden .....	Traveling expenses .....	48.85
	Pay roll, St. Louis, Mo. ....	Substation, salaries .....	181.40
	Pay roll, Galveston, Tex. ....	do .....	301.00
	do .....	do .....	30.00
	do .....	do .....	27.25
	Pay roll, Portland, Oreg. ....	do .....	75.00
	do .....	do .....	125.00
	Paul O. Lauve .....	Services .....	3.00
8	H. A. Morgan .....	do .....	15.20
	Western Union Telegraph Co. ....	Service .....	12,006.27
	do .....	do .....	13,229.97
12	People's Telephone Co. ....	do .....	5.00
	Almo Telephone Co. ....	do .....	6.00
	Barron Co. Telephone Co. ....	do .....	15.00
	W. H. Holmes .....	Services .....	6.00
	Iowa Telephone Co. ....	Service .....	7.80
	Wisconsin Telephone Co. ....	do .....	2.20
	Michigan Telephone Co. ....	do .....	6.10
	Rocky Mountain Bell Telephone Co. ....	do .....	13.99
	Staunton Mutual Telephone Co. ....	do .....	37.50
	Alabama and Georgia Long Distance Telephone Co.	do .....	14.80
	East Tennessee Telephone Co. ....	do .....	25.80
	Cumberland Telephone and Telegraph Co.	do .....	29.50
	do .....	do .....	125.80
	Ohio River Telephone Co. ....	do .....	5.00
	The Central District and Printing Telegraph Co.	do .....	11.73
	do .....	do .....	2.40
	do .....	do .....	5.40
	Western Union Telegraph Co. ....	do .....	154.23
	Rising Sun Telegraph Line .....	do .....	2.50
	East Louisiana R. R. Co. ....	do .....	1.10
	Alabama, Mississippi and Tennessee Telephone Co.	do .....	6.25
	Corvallis and Eastern R. R. Co. ....	do .....	2.50
	Isle of Wight Telephone and Telegraph Co.	do .....	5.00
	Winton Telegraph Co. ....	do .....	7.70
	Dakota Central Telegraph Line .....	do .....	144.00
	Chicago, Burlington and Quincy R. R. Co.	do .....	2.77
	Minneapolis, St. Paul and Sault Ste. Marie Rwy. Co.	do .....	16.52

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901. Aug. 14	Chamber of Commerce Building Co .....	Office rent .....	\$93.21
	Mary E. Shelden .....	do .....	93.75
	Bunce & Hams .....	do .....	90.00
	Mill Valley and Mount Tamalpais Scenic Rwy. Co. ....	do .....	105.00
	Kate F. Coke .....	do .....	60.00
	Tacoma Chamber of Commerce and Board of Trade .....	do .....	60.00
	J. Bryan .....	do .....	150.00
	Society for Savings .....	do .....	285.00
	Benj. M. Jacobs .....	do .....	30.00
	Improvement Loan and Trust Co .....	do .....	150.00
	Jno. A. Ubsdell .....	do .....	10.00
	Alex. G. McAdie .....	Office expenses .....	4.20
	Edw. P. Jones .....	do .....	4.40
	Geo. M. Chappel .....	do .....	1.60
	O. L. Fassig .....	do .....	.55
	J. J. Kelliher .....	do .....	12.75
	Orin Parker .....	do .....	5.20
	Alex. G. Burns .....	do .....	1.35
	T. B. Jennings .....	do .....	3.35
	S. C. Emery .....	do .....	.80
	Henry R. Patrick .....	do .....	1.65
	C. F. Von Herrmann .....	do .....	4.20
	R. J. Hyatt .....	do .....	4.50
	R. G. Allen .....	do .....	7.90
	J. M. Cline .....	do .....	8.05
	Chas. Adie .....	do .....	1.85
	A. J. Mitchell .....	do .....	3.70
	Pay roll, Mobile, Ala. ....	Substation, salaries .....	121.60
	Pay roll, Jacksonville, Fla. ....	do .....	75.00
	W. A. Smith .....	Use of team .....	50.00
17	Pere Marquette R. R. Co. ....	Passenger transportation .....	3.95
	Pennsylvania R. R. Co. ....	do .....	18.20
	North Montana Telephone Co. ....	Service .....	20.80
	Postal Telegraph Cable Co. of Texas .....	do .....	84.19
	Eastern Telephone Co. ....	do .....	4.30
	Pacific States Telephone and Telegraph Co. ....	do .....	2.50
	Thos. L. Dalton .....	Services .....	25.00
19	The First National Bank of Moorhead .....	Office rent .....	66.31
	Sunset Telephone and Telegraph Co. ....	Rent .....	15.00
	New England Telephone and Telegraph Co. ....	do .....	14.25
	Duluth Telephone Co. ....	do .....	12.50
	F. G. Blaisdell .....	Service .....	7.50
	Nebraska Telephone Co. ....	Rent .....	15.00
	Michigan Telephone Co. ....	Service .....	4.50
	do .....	Rent .....	12.00
	Northwestern Telephone Exchange Co. ....	do .....	9.00
	The Bell Telephone Co. of Philadelphia .....	do .....	30.00
	Southern Telegraph and Telephone Co. ....	Service .....	9.00
	Southern Bell Telephone and Telegraph Co. ....	Rent .....	17.00
	Jas. Hunter .....	Drayage .....	.75
	Chicago Telephone Co. ....	Delivering bulletins .....	5.48
	A. A. Bolles .....	Carting .....	5.00
	California Truck Co. ....	Hauling .....	4.00
	L. Naegele & Sons .....	Printing bulletins .....	22.50
	Dunn & Lemmon .....	do .....	30.00
	Kansas Farmer Co. ....	do .....	30.00
	The Pegott & French Co. ....	do .....	27.50
	East Florida Printing Co. ....	do .....	15.00
	E. A. Slack .....	do .....	27.50
	Jas. Grant .....	Hire of sailboat .....	3.50
	Consolidated Electric Light Co. of Maine .....	Electric current .....	10.00
	Peninsular Electric Light and Power Co. ....	do .....	.89
	Raleigh Electric Co. ....	do .....	4.70
	Marais Lumber Co. ....	do .....	6.00
	The Fort Smith and Van Buren Light and Traction Co. ....	do .....	3.00
	P. H. Cheney & Sons .....	do .....	4.50
	American Electrical Works .....	Supplies .....	31.55
	do .....	do .....	7.59
	F. L. Ewing .....	Ice .....	9.90
	Jones & Powell .....	do .....	1.56
	Consumers' Ice Co. ....	do .....	3.90
	Union Ice Co. ....	do .....	18.10
	F. G. Blaisdell .....	Water .....	9.00
	Neal D. Winslow .....	Gasoline .....	1.50
	Western Union Telegraph Co. ....	Repairs to telegraph lines .....	10.80
	Jno. W. Graham & Co. ....	Ink .....	3.00



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901, Aug. 19	A. Brooker & Co.....	Window shade.....	\$4.90
	do.....	Oil, etc.....	3.87
	S. S. Stanley.....	Case pigeonholes.....	5.00
	Jas. A. Pinney.....	Ink, etc.....	8.50
	The Smith-Premier Typewriter Co.....	Repairing.....	1.85
	Crotty Bros.....	Ink.....	2.10
	The J. D. Pace Manufacturing Co., Ltd.....	Window screens.....	2.50
	R. H. Vorpahl.....	Casting rollers.....	2.55
	Gamble & Ludwig.....	Gasoline.....	.65
	F. H. Carr.....	Running levels.....	5.00
	American Hard Rubber Co.....	Hard-rubber rod.....	8.29
	L. H. Jones.....	Recasting rollers.....	2.70
	Jno. L. Boland Book and Stationery Co.....	Ink.....	1.85
	Jno. W. Stonebraker.....	Paper.....	97.12
	J. H. Thiemeyer.....	Packing boxes.....	15.00
	Max Levy.....	Oil, etc.....	1.45
	B. Ganter.....	Repairing clock.....	3.50
	Knapp Bros.....	Casting rollers.....	6.00
	Keens & Sharp.....	Wall paper.....	5.50
	New Orleans Lighting Co.....	Gas.....	18.56
22	United States Envelope Co.....	Envelopes.....	502.94
	A. Riemann & Co.....	Electric fan.....	14.00
	Hoke Engraving Plate Co.....	Pair handles.....	1.00
	W. W. Best.....	Repairing telegraph lines.....	2.00
	American Type Founders Co.....	Binders' pins, etc.....	1.40
	Hoke Engraving Plate Co.....	Recoating plates.....	62.50
	do.....	do.....	50.00
	Jas. B. Lambie.....	Supplies.....	77.21
	Washington Steamboat Co.....	Transportation.....	4.30
	The Garrett Printing Co.....	Printing bulletins.....	28.80
23	C. W. Curtsinger.....	Recoating rollers.....	3.00
	Peleg Brown.....	Use team.....	12.00
	Asa Church.....	Services.....	8.00
	A. B. Kennedy.....	Cleaning clocks.....	2.00
	W. A. Tate.....	Services.....	3.50
	D. M. Steen.....	Repairing rain gauges.....	1.50
	J. T. Laughlin.....	Repairing clock.....	1.50
	Hayre Furniture Co.....	Carpet paper.....	2.30
	H. M. Knowles.....	Repairing telegraph lines.....	2.00
	Nettie Ford.....	Services.....	15.20
	Southwestern Telegraph and Telephone Co.....	Rent.....	9.00
	Statesmen Printing Co.....	Printing bulletins.....	101.50
	Pacific Transfer Co.....	Drayage.....	10.25
	Jas. N. Fulton.....	do.....	.50
	E. E. Garrett.....	Oil.....	1.50
	Jno. W. Eagleson.....	Ice.....	2.50
	J. T. Stearns.....	Electric current.....	5.00
	Fred Albright.....	Horse hire.....	1.00
	Alie Mawhirter.....	do.....	4.50
	Jas. R. Hobbs.....	Team hire.....	2.00
Sept. 6	Chas. L. Katzenberger.....	Services.....	18.20
	Chas. S. McElroy.....	do.....	10.26
	Pay roll, Richmond, Va.....	Substation salaries.....	24.50
9	Schneider Bros.....	Anemometer cups.....	25.00
	Union Typewriter and Supplies Co.....	Repairing typewriter.....	12.10
	E. B. Peddinghaus.....	Photograph.....	2.00
	The J. M. Carpenter Tap and Die Co.....	Plug tap.....	.25
	August Mietz.....	Lamp.....	5.00
	Cuprigraph Co.....	Sanitary still.....	12.00
	R. W. Morrison Construction Co.....	Erecting wind vane.....	2.50
	Inland Type Foundry.....	Printing material, etc.....	11.33
	E. A. Robertson.....	Cleaning clock.....	5.00
	Evans & Meekins.....	Supplies.....	4.11
	A. H. Thiessen.....	Office expenses.....	40.87
10	S. M. Blandford.....	do.....	.40
	P. F. Lyons.....	do.....	4.95
	Chas. Stewart.....	do.....	2.05
	E. B. Richards.....	do.....	3.75
	A. J. Mitchell.....	do.....	4.50
	J. H. Smith.....	do.....	1.25
	E. J. Fitch.....	Repairing doors, etc.....	3.50
	Eimer & Amend.....	Supplies.....	21.45
20	Lake Shore and Michigan Southern Rwy. Co.....	Passenger transportation.....	2.75
	Illinois Central R. R. Co.....	do.....	19.00
	The Yazoo and Mississippi Valley R. R. Co.....	do.....	3.75
	Jacksonville and St. Johns Bar Telegraph Line.....	Service.....	6.25
	The Bell Telephone Co. of Buffalo.....	do.....	1.65

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901.			
Sept. 20	Aurora and Friendship Telegraph Line	Service	\$7.50
	Ocean Tow Boat Line	do	2.00
	Philadelphia, Reading and Pottsville Telegraph Co.	do	10.07
	People's Telephone Co.	do	5.00
	Edw. A. Beals	Office expenses	.25
	Chicago Edison Co.	Electric light	.82
23	Baltimore and Ohio R. R. Co.	Passenger transportation	15.20
	do	do	38.82
	Cumberland Valley R. R. Co.	do	8.93
	Grand Trunk Rwy. System	do	2.84
	Pennsylvania R. R. Co.	do	48.75
	Lake Shore and Michigan Southern Rwy. Co.	do	20.50
	Louisville and Nashville R. R. Co.	do	3.50
	New York, New Haven and Hartford R. R. Co.	do	12.50
	do	do	19.50
	Chicago and North-Western Rwy. Co.	do	4.45
	The Chesapeake and Ohio Rwy. Co.	do	4.40
	Nashville, Chattanooga and St. Louis Rwy. Co.	do	20.40
	Michigan Telephone Co.	Service	.50
	American Type Founders Co.	Type	16.62
	Southern Rwy. Co.	Passenger transportation	8.15
	do	do	2.30
27	Fredk. Springmann	do	1.55
	Southern Rwy. Co.	do	11.75
Oct. 3	Flint & Walling Manufacturing Co.	Attachment for signal towers	480.00
	do	Angle irons, etc.	3.00
	The J. F. W. Dorman Co.	Rubber type, etc.	43.09
	Marine Review Publication Co.	Marine Review	54.00
	J. M. Reuss	Services	15.20
	Chicago Great Western Rwy. Co.	Passenger transportation	12.30
	Atlantic Coast Line R. R. Co.	do	20.50
12	Western Union Telegraph Co.	Service	13,938.82
14	Southern Pacific Co.	Passenger transportation	9.60
	Peter Gray	Fixtures for electric lanterns	600.00
	do	Electric lanterns	3,400.00
	American Electrical Works	Wire	12.04
	Total		72,499.46

## RECAPITULATION.

First quarter	\$35,949.47
Second quarter	76,884.16
Third quarter	135,665.88
Fourth quarter	79,797.16
Supplemental	72,499.46
Total	400,796.13

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES.

Date.	Name.	Nature of payment.	Total.
1900.			
July 31	O. W. Roberts	Services	\$101.10
	M. B. De Vane	do	25.00
	Julius C. Hayden	do	84.20
	Ella W. Daniels	do	25.00
	F. L. Johnson	do	101.10
	Fitzhugh Newman	do	101.10
	Frank R. Beahan	do	101.10
	Joseph Sands	do	60.60
	F. H. Griffin	do	18.59
	E. C. Hobbs	do	101.10
	Wm. E. Donaldson	do	101.10
	Jno. R. Williams	do	101.10
	Jas. A. Barwick	do	101.10
	Thos. Gibson	do	101.10
	Maurice Connell	do	101.10
	Thos. Crawford	do	101.10

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1900. July 31	J. P. Slaughter .....	Services .....	\$101.10
	Chas. Adrie .....	do .....	84.20
	Jessie A. Brown .....	do .....	25.30
	J. J. Killiher .....	do .....	84.20
	Marsden Wright .....	do .....	84.20
	Jas. P. Piercy .....	do .....	101.10
	D. C. Grunow .....	do .....	84.20
	M. E. Conway .....	do .....	70.80
	C. J. Doherty .....	do .....	84.20
	Chas. A. Hyle .....	do .....	84.20
	H. W. Grasse .....	do .....	84.20
	A. W. Kennie .....	do .....	25.00
	A. J. Davis .....	do .....	84.20
	Geo. W. Scott .....	do .....	101.10
	J. J. Doshier .....	do .....	60.60
	W. U. Simons .....	do .....	109.50
	F. Z. Gosewisch .....	do .....	101.10
	H. B. Dick .....	do .....	84.20
	Hal P. Hardin .....	do .....	84.20
	Jno. J. McLean .....	do .....	101.10
	Chas. W. Ling .....	do .....	84.20
	Robt. L. Anderson .....	do .....	84.20
	O. D. Stewart .....	do .....	101.10
	Jos. P. Bolton .....	do .....	161.10
	Aaron H. Bell .....	do .....	101.10
	N. D. Lane .....	do .....	101.10
	J. P. Fallihee .....	do .....	60.60
	U. G. Myers .....	do .....	101.10
	Geo. F. Todd .....	do .....	101.10
	Fredk. H. Brandenburg .....	do .....	151.60
	Julius M. Sherier .....	do .....	109.50
	Wm. L. Bell .....	do .....	42.10
	Geo. Reeder .....	do .....	101.10
	Jno. W. Byram .....	do .....	101.10
	Wayland Bailey .....	do .....	84.20
	Geo. L. Lovette .....	do .....	25.00
	W. L. Day .....	do .....	101.10
	Benj. M. Jacobs .....	do .....	25.30
	Ferd. J. Walz .....	do .....	151.60
	W. C. McGuinness .....	do .....	84.20
	Balf. D. Johnson .....	do .....	25.00
	Albert Brand .....	do .....	101.10
	Jno. J. O'Donnell .....	do .....	84.20
	Geo. W. Eddey .....	do .....	101.10
	Eliz. L. Renoe .....	do .....	25.00
	W. A. Shaw .....	do .....	101.10
	U. G. Purcell et al. ....	Salaries .....	131.40
	Chas. E. Linney et al. ....	do .....	518.30
	Jas. J. Gray et al. ....	do .....	224.00
	W. H. Fallon et al. ....	do .....	158.17
	Thorp B. Jennings et al. ....	do .....	166.80
	W. S. Currier et al. ....	do .....	218.70
	Geo. Hass Hagen et al. ....	do .....	131.40
	Jno. S. Hazen et al. ....	do .....	141.50
	M. E. Blystone et al. ....	do .....	216.77
	Chas. Stewart et al. ....	do .....	193.70
	D. P. McCallum et al. ....	do .....	131.40
	Geo. N. Salisbury et al. ....	do .....	298.30
	Alex. J. Mitchell et al. ....	do .....	227.50
	Patck. Connor et al. ....	do .....	311.70
	W. M. Fulton et al. ....	do .....	151.70
	Robt. H. Dean et al. ....	do .....	131.40
	C. F. Schneider et al. ....	do .....	197.20
	Robt. Q. Grant et al. ....	do .....	126.10
	Geo. A. Loveland et al. ....	do .....	373.30
	Edw. B. Richards et al. ....	do .....	384.46
	Geo. E. Franklin et al. ....	do .....	230.60
	Henry B. Hursey et al. ....	do .....	448.10
	Geo. N. Wilson et al. ....	do .....	131.40
	T. S. Collins et al. ....	do .....	131.40
	Henry R. Patrick et al. ....	do .....	131.40
	Saml. C. Emery et al. ....	do .....	323.30
	Lee A. Denson et al. ....	do .....	131.40
	W. M. Wilson et al. ....	do .....	512.00
	Thos. S. Outram et al. ....	do .....	448.13
	Frank P. Chaffee et al. ....	do .....	328.60
	Wm. M. Dudley et al. ....	do .....	163.36
	Henry P. Boyer et al. ....	do .....	237.20
	Alex. G. Burns et al. ....	do .....	139.80
	Robt. M. Hardinge et al. ....	do .....	210.60



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1900. July 31	Geo. H. Willson et al.	Salaries	\$591.30
	E. C. Thompson et al.	do	131.40
	Ford A. Carpenter et al.	do	131.10
	Allen Buell et al.	do	131.40
	L. H. Murdock et al.	do	328.60
	P. F. Lyons et al.	do	294.80
	Robt. J. Hyatt et al.	do	438.00
	Orin Parker et al.	do	193.70
	Edw. A. Evans et al.	do	387.40
	C. F. von Herrmann et al.	do	382.50
	Arthur B. Wallaber et al.	do	365.60
	Edw. P. Jones et al.	do	210.60
	Wm. J. Olds et al.	do	126.40
	Frank Ridgway et al.	do	361.90
	O. C. Porrows et al.	do	114.50
	Luther M. Dey et al.	do	614.90
	W. G. Burns et al.	do	210.60
	M. J. Wright, jr., et al.	do	131.40
	Elisha C. Vose et al.	do	268.00
	J. G. Linsley et al.	do	131.40
	L. A. Welsh et al.	do	323.30
	Chas. M. Strong et al.	do	227.50
	E. H. Emery et al.	do	571.00
	Wm. T. Blythe et al.	do	530.60
	L. M. Farr et al.	do	161.40
	Edw. W. McGann et al.	do	156.70
	Henry C. Bate et al.	do	438.00
	Wm. W. Neifert et al.	do	215.60
	A. F. Sims et al.	do	227.50
	Fenton H. Duff et al.	do	126.10
	Jno. B. Marbury et al.	do	350.30
	David Fisher et al.	do	131.40
	O. L. Fassig et al.	do	417.60
	F. H. Clarke et al.	do	141.10
	Byron H. Bronson et al.	do	240.90
	Saml. M. Blandford et al.	do	240.90
	J. W. Smith et al.	do	600.30
	David Cuthbertson et al.	do	375.60
	P. H. Smyth et al.	do	224.00
	C. P. Cronk et al.	do	160.00
	Jas. H. Smith et al.	do	139.50
	L. N. Jesunofsky et al.	do	151.40
	Chas. Davis et al.	do	141.10
	L. M. Pindell et al.	do	224.00
	Walter S. Palmer et al.	do	235.60
	Jas. Kenealy et al.	do	441.80
	S. S. Bassler et al.	do	443.10
	A. E. Hackett et al.	do	222.20
	Jas. W. Bauer et al.	do	156.70
	J. Warren Smith et al.	do	402.30
	Henry A. McNally et al.	do	354.88
	Geo. M. Chappel et al.	do	409.30
	N. B. Conger et al.	do	603.20
	Edw. H. Bowie et al.	do	126.10
	Herbert W. Richardson et al.	do	251.00
	Danl. C. Murphy et al.	do	131.40
	Albert Ashenberger et al.	do	131.40
	Chas. J. Considine et al.	do	210.60
	Geo. B. Wurtz et al.	do	126.10
	E. H. Nimmo et al.	do	126.10
	Geo. G. Harkness et al.	do	101.10
	Louis G. Schultz et al.	do	131.40
	I. M. Cline et al.	do	430.38
	G. W. Felger et al.	do	131.10
	F. W. Conrad et al.	do	131.40
	E. R. Demain et al.	do	139.80
	Saml. L. Doshier et al.	do	134.70
	Elwin J. Glass et al.	do	240.90
	S. W. Glenn et al.	do	240.90
	C. F. R. Wappenhaus et al.	do	446.40
	Robt. G. Allen et al.	do	292.50
	H. E. Wilkinson et al.	do	192.63
Aug. 2 17	B. P. Heubner	Services	19.57
	M. Santour	do	29.03
	J. K. Ward	do	24.00
	Ray Stahl	do	29.35
20	McL. S. Collom	do	6.85
	Geo. E. Babcock	do	9.00
	do	do	13.00
	Edwin S. Ely	do	3.23

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Aug. 24	Geo. A. Klein .....	Services	\$15.00
	A. W. Thompson .....	do	12.50
	Otto B. Hart .....	do	46.00
	J. K. Ward .....	do	10.00
	W. R. Webb .....	do	40.00
31	Otto B. Hart .....	do	48.91
	Geo. T. Todd .....	do	101.10
	J. P. Slaughter .....	do	101.10
	Thos. Crawford .....	do	101.10
	Maurice Connell .....	do	101.10
	Thos. Gibson .....	do	101.10
	Jas. A. Barwick .....	do	101.10
	Ford. A. Carpenter .....	do	101.10
	Jno. R. Williams .....	do	101.10
	Eliz. L. Renoe .....	do	25.00
	Jos. P. Bolton .....	do	101.10
	Oscar D. Stewart .....	do	101.10
	R. L. Anderson .....	do	84.20
	Chas. W. Ling .....	do	84.20
	Jno. J. McLean .....	do	101.10
	Hal P. Hardin .....	do	84.20
	Harvey B. Dick .....	do	84.20
	F. Z. Gossewisch .....	do	101.10
	W. N. Simons .....	do	109.50
	Jos. J. Doshier .....	do	60.60
	Geo. W. Scott .....	do	101.10
	Albert W. Kenney .....	do	25.00
	H. W. Grasse .....	do	84.20
	Albert Brand .....	do	101.10
	W. C. McGuiness .....	do	84.20
	Benj. M. Jacobs .....	do	25.30
	W. L. Day .....	do	101.10
	Geo. L. Lovett .....	do	25.00
	Wayland Bailey .....	do	84.20
	Jno. W. Byram .....	do	101.10
	Geo. Reeder .....	do	101.10
	Geo. W. Eddey .....	do	101.10
	Jno. J. O'Donnell .....	do	84.20
	Balf. D. Johnson .....	do	25.00
	Emma D. Sharpe .....	do	25.00
	M. W. DeVane .....	do	25.00
	Geo. R. Oberholzer .....	do	98.37
	Jos. Sands .....	do	60.60
	Frank R. Beahan .....	do	101.10
	Fitzhugh Newman .....	do	101.10
	F. L. Johnson .....	do	101.10
	Ella W. Daniels .....	do	25.00
	Julius C. Hayden .....	do	84.20
	W. J. Bennett .....	do	70.80
	M. E. Conway .....	do	70.80
	D. C. Grunaw .....	do	84.20
	Wm. A. Shaw .....	do	101.10
	Jos. C. Piercy .....	do	101.10
	Marsden Wright .....	do	84.20
	J. J. Kelliher .....	do	84.20
	Chas. Adie .....	do	84.20
	Wm. L. Bell .....	do	42.10
	J. M. Sherier .....	do	109.50
	U. G. Myers .....	do	101.10
	J. P. Fallihee .....	do	60.60
	N. D. Lane .....	do	101.10
	Aaron H. Bell .....	do	101.10
	Jno. B. Marbury et al .....	Salaries	266.10
	E. B. Richards et al .....	do	403.04
	Alfred F. Sims et al .....	do	227.50
	Fenton H. Duff et al .....	do	126.10
	David Fisher et al .....	do	131.40
	O. L. Fassig et al .....	do	417.60
	J. H. Clarke et al .....	do	141.10
	Byron H. Bronson et al .....	do	240.90
	Saml. M. Blandford et al .....	do	240.90
	J. W. Smith et al .....	do	701.40
	David Cuthbertson et al .....	do	375.60
	P. H. Smyth et al .....	do	224.00
	C. P. Cronk et al .....	do	160.00
	Jas. H. Smith et al .....	do	139.50
	Lewis N. Jesunofsky et al .....	do	151.46
	Chas. Davis et al .....	do	141.10
	L. M. Pindell et al .....	do	224.00
	W. S. Palmer et al .....	do	240.90

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Aug. 31	S. S. Bassler et al .....	Salaries .....	\$443. 10
	Jas. Kenealy et al .....	do .....	446. 40
	A. E. Hackett et al .....	do .....	222. 20
	Jacob W. Bauer et al .....	do .....	156. 70
	J. W. Smith et al .....	do .....	402. 30
	F. H. Brandenburg et al .....	do .....	508. 80
	Geo. M. Chappell et al .....	do .....	409. 30
	N. B. Conger et al .....	do .....	603. 20
	Edw. H. Bowie et al .....	do .....	126. 10
	H. W. Richardson et al .....	do .....	251. 00
	Danl. C. Murphy et al .....	do .....	131. 40
	Albert Ashenberger et al .....	do .....	131. 40
	Thos. J. Considine et al .....	do .....	210. 60
	Geo. B. Wurtz et al .....	do .....	126. 10
	E. H. Nimmo et al .....	do .....	126. 10
	Jno. R. Weeks et al .....	do .....	131. 40
	L. G. Schultz et al .....	do .....	131. 40
	L. M. Dey et al .....	do .....	628. 30
	O. C. Burrows et al .....	do .....	114. 50
	Frank Ridgway et al .....	do .....	367. 20
	W. J. Olds et al .....	do .....	126. 40
	Edwd. P. Jones et al .....	do .....	210. 60
	Solomon Hymn .....	Services .....	15. 65
	A. B. Wallaber et al .....	Salaries .....	365. 60
	C. F. von Herrmann et al .....	do .....	382. 50
	E. A. Evans .....	do .....	387. 40
	Orin Parker .....	do .....	193. 70
	Robt. J. Hyatt .....	do .....	438. 00
	P. F. Lyons .....	do .....	210. 60
	L. H. Murdock .....	do .....	328. 60
	Allen Buell .....	do .....	131. 40
	E. C. Thompson .....	do .....	131. 40
	Geo. H. Willson .....	do .....	520. 50
	R. M. Hardinge .....	do .....	210. 60
	Alex G. Burns .....	do .....	139. 80
	H. B. Boyer .....	do .....	250. 60
	W. E. Donaldson .....	do .....	131. 40
	Geo. N. Salisbury .....	do .....	298. 30
	D. P. McCallum et al .....	do .....	131. 40
	U. G. Pursell et al .....	do .....	215. 60
	Chas. Stewart et al .....	do .....	193. 70
	M. E. Blystone et al .....	do .....	229. 19
	Jno. S. Hazen et al .....	do .....	141. 50
	E. C. Hobbs et al .....	do .....	131. 40
	W. S. Currier et al .....	do .....	218. 70
	Thorp B. Jennings et al .....	do .....	166. 80
	W. S. Belden et al .....	do .....	264. 50
	G. W. Felger et al .....	do .....	171. 90
	Jas. J. Gray et al .....	do .....	224. 00
	Geo. Hass Hagen et al .....	do .....	121. 62
	T. S. Collins et al .....	do .....	154. 88
	Henry R. Patrick et al .....	do .....	131. 40
	S. C. Emery et al .....	do .....	306. 40
	Lee A. Denson et al .....	do .....	131. 40
	W. M. Wilson et al .....	do .....	512. 00
	Thos. S. Outram et al .....	do .....	451. 40
	W. M. Dudley et al .....	do .....	202. 20
	F. P. Chaffee et al .....	do .....	312. 58
	Geo. E. Grimes et al .....	do .....	114. 50
	Henry C. Bate et al .....	do .....	438. 00
	E. W. McGann et al .....	do .....	156. 70
	L. M. Tarr et al .....	do .....	161. 40
	W. T. Blythe et al .....	do .....	530. 60
	E. H. Emery et al .....	do .....	571. 00
	Lucius A. Welsh et al .....	do .....	323. 30
	Chas. M. Strong et al .....	do .....	227. 50
	Julius G. Linsley et al .....	do .....	131. 40
	Elisha C. Vose et al .....	do .....	268. 00
	Marcus J. Wright, jr., et al .....	do .....	131. 40
	Wm. G. Burns et al .....	do .....	241. 88
	I. M. Cline et al .....	do .....	423. 57
	W. H. Fallon et al .....	do .....	131. 10
	F. W. Conrad et al .....	do .....	131. 40
	E. R. Demain et al .....	do .....	139. 80
	Saml. L. Doshier et al .....	do .....	134. 70
	Elvin J. Glass et al .....	do .....	240. 90
	Robt. B. Harkness et al .....	do .....	131. 40
	S. W. Glenn et al .....	do .....	240. 90
	Robt. G. Allen et al .....	do .....	292. 50
	C. F. R. Wappenhaus et al .....	do .....	446. 40



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Aug. 31	Alex J. Mitchell et al.	Salaries	\$327.50
	Patrick Connor et al.	do	311.70
	W. M. Fulton et al.	do	151.70
	Robt. H. Dean et al.	do	131.40
	C. F. Schneider et al.	do	197.20
	Robt. Q. Grant et al.	do	126.10
	Geo. A. Loveland et al.	do	373.30
	Geo. E. Franklin et al.	do	230.60
	Henry P. Hersey et al.	do	448.10
	Geo. N. Wilson et al.	do	131.40
	Chas. E. Linney et al.	do	589.10
Sept. 17	Orris W. Roberts et al.	do	101.10
18	Geo. A. Klein	Services	9.00
	Clyde Lemon	do	84.20
	do	do	81.48
	Peter C. Campbell	do	5.00
	Cecil A. McCord	do	10.00
20	Albert W. Thompson	do	9.50
30	W. T. Blythe et al.	Salaries	513.80
	L. M. Tarr et al.	do	157.20
	E. W. McGann et al.	do	151.60
	Henry C. Bate et al.	do	424.00
	Geo. E. Grimes et al.	do	111.00
	Frank P. Chaffee et al.	do	317.80
	L. A. Judkins et al.	do	277.20
	Thos. L. Outram et al.	do	437.20
	Henry B. Patrick et al.	do	127.20
	T. S. Collins et al.	do	127.20
	Geo. N. Wilson et al.	do	127.20
	Geo. E. Franklin et al.	do	223.80
	Edw. B. Richards et al.	do	599.40
	Geo. A. Loveland et al.	do	537.91
	Robt. Q. Grant et al.	do	122.80
	Chas. F. Schneider et al.	do	190.60
	W. M. Fulton et al.	do	146.60
	W. U. Simons et al.	do	135.40
	C. F. R. Wappenhaus et al.	do	432.20
	Robt. G. Allen et al.	do	285.00
	Isaac M. Cline et al.	do	325.50
	Jno. R. Weeks et al.	do	127.20
	S. W. Glenn et al.	do	233.20
	Chas. E. Linney et al.	do	571.80
	Lee A. Denson et al.	do	101.77
	Robt. B. Harkness et al.	do	127.20
	E. J. Glass et al.	do	233.20
	F. W. Conrad et al.	do	127.20
	W. H. Fallon et al.	do	127.80
	E. H. Nimmo et al.	do	126.86
	Geo. B. Wurtz et al.	do	122.80
	Thos. J. Considine et al.	do	203.80
	Daniel C. Murphy et al.	do	127.20
	H. W. Richardson et al.	do	243.00
	N. B. Conger et al.	do	583.60
	Geo. M. Chappell et al.	do	396.40
	J. W. Smith et al.	do	458.80
	A. E. Hackett et al.	do	215.60
	Jas. Kenealy et al.	do	432.20
	W. S. Palmer et al.	do	233.20
	Lewis M. Pindell et al.	do	217.00
	Chas. Davis et al.	do	137.80
	David Cuthbertson et al.	do	363.80
	J. W. Smith et al.	do	682.20
	S. M. Blandford et al.	do	233.20
	B. H. Bronson et al.	do	233.20
	O. S. Fassig et al.	do	404.80
	David Fisher et al.	do	127.20
	Jno. B. Marbury et al.	do	274.00
	F. H. Daff et al.	do	122.80
	A. B. Wallaber et al.	do	353.80
	G. W. Felger et al.	do	166.20
	Wm. S. Belden et al.	do	256.00
	E. C. Hobbs et al.	do	127.20
	Jno. S. Hazen et al.	do	137.00
	Chas. Stewart et al.	do	187.60
	Dani. P. McCallum et al.	do	127.20
	Elez. L. Renoe	Services	25.00
	Geo. W. Salisbury et al.	Salaries	288.40
	Alex. G. Burns et al.	do	135.40
	E. C. Thompson et al.	do	127.20

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1900. Sept. 30	Allen Buell et al.	Salaries	\$127.20
	L. H. Murdock et al.	do	317.80
	Robt. J. Hyatt et al.	do	424.00
	E. A. Evans et al.	do	375.20
	Chas. F. von Herrmann et al.	do	370.00
	E. P. Jones et al.	do	218.47
	Frank Ridgway et al.	do	355.60
	W. G. Burns et al.	do	233.20
	M. J. Wright, jr. et al.	do	127.20
	Elisha C. Vose et al.	do	259.00
	J. G. Linsley et al.	do	127.20
	Chas. M. Strong et al.	do	220.00
	L. A. Welsh et al.	do	313.40
	Jas. J. Gray et al.	do	217.00
	T. B. Jennings et al.	do	161.40
	Wm. S. Currier et al.	do	212.60
	M. E. Blystone et al.	do	233.20
	U. G. Pursell et al.	do	127.20
	Wm. E. Donaldson et al.	do	127.20
	Harry B. Boyer et al.	do	243.80
	Robt. M. Hardinge et al.	do	203.80
	Geo. H. Willson et al.	do	572.40
	F. A. Carpenter et al.	do	127.20
	Patrick F. Lyons et al.	do	285.40
	Orin Parker et al.	do	187.63
	Wm. J. Olds et al.	do	122.20
	O. C. Burrows et al.	do	111.00
	L. M. Dey et al.	do	608.40
	E. H. Emery et al.	do	553.00
	Dexter C. Grunow et al.	do	140.40
	W. M. Wilson et al.	do	512.20
	Saml. C. Emery et al.	do	231.84
	Marsden Wright	Services	81.60
	Geo. H. Hagen	do	97.80
	Henry B. Hersey et al.	Salaries	433.80
	Robt. H. Dean et al.	do	127.20
	Patrick Connor et al.	do	301.60
	Alex. J. Mitchell et al.	do	220.00
	Saml. L. Doshier et al.	do	130.63
	E. R. Demain et al.	do	135.40
	F. H. Brandenburg et al.	do	424.00
	Jacob W. Bauer et al.	do	151.60
	S. S. Bassler et al.	do	360.40
	L. N. Jesunofsky et al.	do	147.20
	C. P. Cronk et al.	do	155.00
	P. H. Smyth et al.	do	217.00
	F. H. Clarke et al.	do	137.80
	A. F. Sims et al.	do	220.00
	J. C. Hayden	Services	81.60
	Ella W. Daniels	do	25.00
	Fitzhugh Newman	do	97.80
	Frank R. Beahan	do	97.80
	Jos. Sands	do	58.80
	Jno. R. Williams	do	97.80
	Jas. A. Barwick	do	97.80
	Thos. Gibson	do	97.80
	Maurice Connell	do	97.80
	J. P. Slaughter	do	97.80
	Chas. Adie	do	81.60
	Emma D. Sharpe	do	25.00
	J. J. Kelliher	do	81.60
	Thos. Crawford	do	97.80
	Jno. C. Piercy	do	97.80
	M. E. Conway	do	68.40
	H. W. Grasse	do	81.60
	Fredk. G. Gossewisch	do	97.80
	Harvey B. Dick	do	81.60
	Hal B. Hardin	do	81.60
	Jno. J. McLean	do	97.80
	Geo. T. Todd	do	97.80
	E. H. Bowie	do	97.80
	R. L. Anderson	do	81.60
	C. W. Ling	do	81.60
	Aaron H. Bell	do	97.80
	U. G. Myers	do	97.80
	Julius M. Sherier	do	106.00
	Alpheus Drinkwater	do	40.80
	Geo. Reeder	do	97.80
	J. W. Byram	do	97.80
	Wm. B. Schlomer	do	68.40

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1900. Sept. 30	Benj. M. Jacobs	Services	\$24.40
	W. C. McGuinness	do	81.60
	Albert Brand	do	97.80
	Jno. J. O'Donnell	do	81.60
	Geo. W. Eddey	do	97.80
	N. D. Lane	do	97.80
	Orris W. Roberts	do	97.80
	F. L. Johnson	do	97.80
	W. A. Shaw	do	97.80
	Walter J. Bennett	do	68.40
	Albert W. Kennie	do	25.00
	Clyde Lemon	do	81.60
	Geo. W. Scott	do	97.80
	J. J. Doshier	do	58.80
	O. D. Stewart	do	97.80
	Jos. P. Bolton	do	97.80
	Albert Ashenberger	do	97.80
	J. P. Fallihee	do	58.80
	W. L. Chaney	do	14.16
	Wayland Bailey	do	81.60
	Jas. H. Smith	do	106.00
	Geo. L. Lovett	do	25.00
	Walcott L. Day	do	97.80
	Balfe D. Johnson	do	25.00
	Total first quarter		96,299.78
Oct. 3	Louis G. Schultz et al	Salaries	117.42
13	Cecil H. McCord	Service	20.00
16	Geo. A. Klein	do	12.60
	Wm. W. Christman	do	26.59
	Jos. S. Farmer	do	25.00
	Harry B. Nichols	do	9.83
18	Walter W. Thomas	do	15.98
25	Guy C. Harris	do	18.36
	Erle Adams	do	9.09
	C. W. Kennedy	do	20.00
	Wm. Bergman	do	24.00
26	Robt. E. Glenn	do	5.00
	do	do	2.50
	Jno. C. Foster	do	17.00
31	G. W. Eddey	do	101.10
	L. A. Judkins	do	84.20
	Albert Brand	do	101.10
	W. C. McGuinness	do	84.20
	Jno. J. O'Donnell	do	84.20
	Benj. L. Miller	do	18.55
	Benj. M. Jacobs	do	25.80
	W. L. Day	do	101.10
	Geo. L. Lovett	do	25.00
	W. Bailey	do	84.20
	Jno. W. Byram	do	101.10
	Geo. Reeder	do	101.10
	Alpheus Drinkwater	do	42.10
	Julius M. Sherier	do	109.50
	Geo. T. Todd	do	101.10
	U. G. Myers	do	101.10
	J. P. Fallihee	do	60.60
	Albert Ashenberger	do	101.10
	N. D. Lane	do	101.10
	Aaron H. Bell	do	101.10
	Eliz. L. Renoe	do	25.00
	Jno. P. Bolton	do	101.10
	Chas. E. Holmes	do	57.07
	O. D. Stewart	do	101.10
	Robt. L. Anderson	do	84.20
	Chas. W. Ling	do	84.20
	Jno. J. McLean	do	101.10
	Hal P. Hardin	do	84.20
	Harry B. Dick	do	84.20
	F. Z. Gossewisch	do	101.10
	Jno. J. Doshier	do	60.60
	Geo. W. Scott	do	101.10
	F. L. McClintic	do	84.20
	M. J. Driscoll	do	16.63
	Albert W. Kennie	do	25.00
	H. W. Grasse	do	84.20
	W. J. Bennett	do	70.80
	M. E. Conway	do	70.80
	W. A. Shaw	do	101.10



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 31	Jos. C. Piercy	Service	\$101.10
	Morton Brown	do	54.82
	Marsden Wright	do	84.20
	Wm. G. Burns	do	126.40
	J. J. Kelliher	do	84.20
	Emma D. Sharpe	do	25.00
	Chas. Adie	do	84.20
	J. P. Slaughter	do	101.10
	R. E. Pollock	do	37.50
	Wm. J. Buhmann	do	30.00
	W. J. Cowley	do	61.20
	C. A. McCord	do	30.00
	Orris W. Roberts	do	101.10
	J. C. Hayden	do	84.20
	Ella W. Daniels	do	25.00
	F. L. Johnson	do	101.10
	Fitzhugh Newman	do	101.10
	F. R. Brehan	do	101.10
	Jos. Sands	do	60.60
	Geo. H. Hagen	do	101.10
	Jno. R. Williams	do	101.10
	Jas. A. Barwick	do	101.10
	Thos. Gibson	do	101.10
	Maurice Connell	do	101.10
	Wm. D. Maxwell	do	101.10
	Marcus J. Wright, jr	do	101.10
	A. F. Sims et al	Salaries	227.50
	F. H. Duff et al	do	126.10
	Jno. B. Marbury et al	do	283.00
	David Fisher et al	do	131.40
	O. L. Fassig et al	do	392.30
	F. H. Clarke et al	do	141.10
	B. H. Bronson et al	do	240.90
	S. M. Blandford et al	do	240.90
	J. W. Smith et al	do	641.40
	D. Cuthbertson et al	do	375.60
	P. H. Smyth et al	do	210.60
	C. P. Cronk et al	do	133.96
	Jas. H. Smith et al	do	180.30
	L. N. Jesofnsky et al	do	151.40
	Chas. Davis et al	do	141.10
	L. M. Pindell et al	do	224.00
	Walter S. Palmer et al	do	240.90
	S. S. Bassler et al	do	443.10
	Jas. Kenealy et al	do	446.40
	A. E. Hackett et al	do	247.20
	Jacob W. Bauer et al	do	156.70
	J. W. Smith et al	do	402.30
	F. H. Brandenburg et al	do	367.20
	Geo. M. Chappell et al	do	409.30
	N. B. Conger et al	do	603.20
	E. A. Bowie et al	do	131.40
	H. W. Richardson et al	do	251.00
	L. M. Dey et al	do	628.30
	O. C. Burrows et al	do	114.50
	Frank Ridgway et al	do	353.80
	W. J. Olds et al	do	126.40
	Edwd. P. Jones et al	do	222.34
	A. B. Wallaber et al	do	365.60
	C. F. Von Herrmann et al	do	382.50
	Edw. A. Evans et al	do	387.40
	Orin Parker et al	do	193.70
	Robt. J. Hyatt et al	do	451.40
	P. F. Lyons et al	do	294.80
	L. H. Murdock et al	do	328.60
	Allen Buell et al	do	131.40
	Ford A. Carpenter et al	do	131.40
	Edwin C. Thompson et al	do	131.40
	Geo. H. Willson et al	do	591.30
	Robt. M. Hardinge et al	do	210.60
	Alex. G. Burns et al	do	139.80
	Harry B. Boyer et al	do	250.60
	W. E. Donaldson et al	do	131.40
	Geo. N. Salisbury et al	do	298.30
	D. P. McCallum et al	do	131.40
	N. G. Purssell et al	do	131.40
	Chas. Stewart et al	do	193.70
	M. E. Blystone et al	do	240.90
	Jno. S. Hazen et al	do	141.50
	E. C. Hobbs et al	do	131.40

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 31	Wm. S. Currier et al. ....	Salaries.....	\$218. 70
	T. B. Jennings et al. ....	do .....	166. 80
	W. S. Belden et al. ....	do .....	264. 50
	G. W. Felger et al. ....	do .....	171. 90
	A. J. Mitchell et al. ....	do .....	227. 50
	Saml. C. Emery et al. ....	do .....	240. 90
	H. B. Hersey et al. ....	do .....	448. 10
	C. F. R. Wappenhaus et al. ....	do .....	446. 40
	C. M. Strong et al. ....	do .....	227. 50
	E. W. McGann et al. ....	do .....	156. 70
	Edw. B. Richards et al. ....	do .....	412. 80
	Elisha C. Vose et al. ....	do .....	268. 00
	Thos. S. Outram et al. ....	do .....	451. 40
	Lee A. Denson et al. ....	do .....	131. 40
	Julius G. Linsley et al. ....	do .....	131. 40
	Eben H. Emery et al. ....	do .....	571. 00
	Lucius A. Welsh et al. ....	do .....	323. 30
	Dexter C. Grunow et al. ....	do .....	144. 80
	W. M. Wilson et al. ....	do .....	528. 90
	Geo. B. Wurtz et al. ....	do .....	126. 10
	Jas. J. Gray et al. ....	do .....	213. 24
	W. T. Blythe et al. ....	do .....	510. 08
	Henry C. Bates et al. ....	do .....	438. 00
	Geo. E. Grimes et al. ....	do .....	114. 50
	Frank P. Chaffee et al. ....	do .....	328. 60
	W. M. Dudley et al. ....	do .....	166. 33
	Henry R. Patrick et al. ....	do .....	131. 40
	T. S. Collins et al. ....	do .....	115. 77
	Geo. N. Wilson et al. ....	do .....	131. 40
	Geo. E. Franklin et al. ....	do .....	230. 60
	Geo. A. Loveland et al. ....	do .....	348. 60
	Robt. Q. Grant et al. ....	do .....	126. 10
	W. M. Fulton et al. ....	do .....	151. 70
	W. U. Simons et al. ....	do .....	139. 80
	Patrick Conner et al. ....	do .....	311. 70
	Robert G. Allen et al. ....	do .....	292. 50
	S. W. Glenn et al. ....	do .....	240. 90
	Robt. E. Harkness et al. ....	do .....	131. 40
	Elvin J. Glass et al. ....	do .....	240. 90
	Saml. L. Doshier et al. ....	do .....	134. 70
	E. R. Demain et al. ....	do .....	139. 80
	F. W. Conrad et al. ....	do .....	131. 40
	W. H. Fallon et al. ....	do .....	131. 10
	Louis G. Schultz et al. ....	do .....	131. 40
	Jno. R. Weeks et al. ....	do .....	131. 40
	E. H. Nimmo et al. ....	do .....	131. 40
	Thos. J. Considine et al. ....	do .....	210. 60
	D. C. Murphy et al. ....	do .....	131. 40
	I. M. Cline et al. ....	do .....	323. 50
	L. M. Dey, jr., et al. ....	do .....	120. 72
	Robt. H. Dean et al. ....	do .....	131. 40
	Chas. F. Schneider et al. ....	do .....	197. 20
	L. M. Tarr et al. ....	do .....	161. 40
	C. E. Linney et al. ....	do .....	589. 10
Nov. 2	Balf. D. Johnson	Services.....	25. 00
8	Early G. Colvin	do .....	1. 96
	Cecil A. McCord	do .....	9. 00
12	Camden W. Kennedy	do .....	19. 00
	Robt. C. Garber	do .....	8. 00
20	J. Garland Miller	do .....	10. 50
23	Mathew B. De Vane	do .....	19. 17
30	W. S. Belden et al. ....	Salaries.....	256. 00
	Luther M. Dey et al. ....	do .....	608. 40
	M. J. Wright, jr., et al. ....	do .....	137. 00
	Elisha C. Vose et al. ....	do .....	259. 00
	Julius G. Linsley et al. ....	do .....	127. 20
	L. A. Welsh et al. ....	do .....	313. 40
	Chas. M. Strong et al. ....	do .....	220. 00
	Jas. J. Gray et al. ....	do .....	212. 11
	Eben H. Emery et al. ....	do .....	553. 00
	W. T. Blythe et al. ....	do .....	512. 77
	L. M. Tarr et al. ....	do .....	133. 20
	Edw. W. McGann et al. ....	do .....	151. 60
	Dexter C. Grunow et al. ....	do .....	140. 40
	Henry C. Bate et al. ....	do .....	424. 00
	Geo. A. Willson et al. ....	do .....	372. 40
	Robt. M. Hardinge et al. ....	do .....	203. 80
	Alex. G. Burns et al. ....	do .....	135. 40
	Harry B. Boyer et al. ....	do .....	243. 80
	Geo. N. Salisbury et al. ....	do .....	288. 40

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Nov. 30	Danl. P. McCallum et al.	Salaries	\$127.20
	U. G. Purssell et al.	do	127.20
	Chas. Stewart et al.	do	187.60
	M. E. Blystone et al.	do	233.20
	Jno. S. Hazen et al.	do	137.00
	E. C. Hobbs et al.	do	127.20
	Geo. H. Hagen et al.	do	127.20
	Wm. S. Currie et al.	do	212.60
	T. B. Jennings et al.	do	161.40
	G. W. Felger et al.	do	166.20
	O. C. Burrows et al.	do	111.00
	Frank Ridgway et al.	do	342.40
	Wm. J. Olds et al.	do	122.20
	Edwd. P. Jones et al.	do	203.80
	Arthur P. Wallaber et al.	do	353.80
	C. F. von Herrmann et al.	do	370.00
	E. A. Evans et al.	do	375.20
	Orin Parker et al.	do	187.60
	Robt. J. Hyatt et al.	do	437.20
	P. F. Lyons et al.	do	285.40
	L. H. Murdock et al.	do	317.80
	Allen Buell et al.	do	127.20
	Ford A. Carpenter et al.	do	127.20
	E. C. Thompson et al.	do	127.20
	Chas. E. Linney et al.	do	571.80
	R. H. Dean et al.	do	127.20
	R. Q. Grant et al.	do	122.80
	Geo. A. Loveland et al.	do	337.80
	E. B. Richards et al.	do	399.40
	Geo. E. Franklin et al.	do	223.80
	Geo. N. Wilson et al.	do	127.20
	T. S. Collins et al.	do	127.20
	Henry R. Patrick et al.	do	127.20
	Saml. E. Emery et al.	do	233.20
	Lee A. Denson et al.	do	127.20
	Thos. S. Outram et al.	do	437.20
	W. M. Dudley et al.	do	195.60
	Frank P. Chaffee et al.	do	317.80
	Geo. E. Grimes et al.	do	111.00
	Alfred S. Sims et al.	do	220.00
	Fenton H. Duff et al.	do	122.80
	Jno. B. Marbury et al.	do	355.60
	D. Fisher et al.	do	127.20
	O. L. Fassig et al.	do	405.40
	F. H. Clarke et al.	do	137.80
	B. H. Bronson et al.	do	233.20
	Saml. M. Blandford et al.	do	233.20
	J. W. Smith et al.	do	622.20
	David Cuthbertson et al.	do	363.80
	P. H. Smyth et al.	do	203.80
	Jas. H. Smith et al.	do	174.40
	L. N. Jesunofsky et al.	do	147.20
	Chas. Davis et al.	do	137.80
	Lewis M. Pindell et al.	do	217.00
	W. S. Palmer et al.	do	233.20
	S. S. Bassler et al.	do	428.80
	Jas. Kenealy et al.	do	432.20
	A. E. Hakett et al.	do	240.60
	Jacob W. Bauer et al.	do	151.60
	J. W. Smith et al.	do	390.40
	F. H. Brandenburg et al.	do	355.60
	Geo. W. Chappell et al.	do	396.40
	N. B. Conger et al.	do	515.20
	Edw. H. Bowie et al.	do	127.20
	H. W. Richardson et al.	do	243.00
	Danl. C. Murphy et al.	do	127.20
	Thos. J. Considine et al.	do	203.80
	Geo. B. Wurtz et al.	do	122.80
	E. H. Nimmo et al.	do	127.20
	Louis G. Schultz et al.	do	127.20
	I. M. Cline et al.	do	332.50
	W. H. Fallon et al.	do	127.80
	F. W. Conrad et al.	do	127.20
	E. R. Demain et al.	do	135.40
	Saml. L. Doshier et al.	do	130.60
	E. J. Glass et al.	do	233.20
	R. B. Harkness et al.	do	127.20
	S. W. Glenn et al.	do	233.20
	C. F. R. Wappenhaus et al.	do	432.20
	Robt. G. Allen et al.	do	260.00



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Nov. 30	A. J. Mitchell et al.	Salaries	\$220.00
	Patch. Conner et al.	do	301.60
	W. U. Simons et al.	do	135.40
	W. M. Fulton et al.	do	146.60
	Jno. R. Weeks et al.	do	127.20
	H. B. Hersey et al.	do	433.80
	W. M. Wilson et al.	do	512.20
	W. E. Donaldson et al.	do	121.33
	C. F. Schneider et al.	do	190.60
	Richd. A. J. Curtin	Services	16.63
	Sumner Hackett	do	39.20
	O. W. Roberts	do	97.80
	Julius C. Hayden	do	81.60
	Ella W. Daniels	do	25.00
	F. L. Johnson	do	97.80
	Fitzhugh Newman	do	97.80
	F. R. Beahan	do	97.80
	Jos. Sands	do	58.80
	Jno. R. Williams	do	97.80
	J. A. Barwick	do	97.80
	Thos. Gibson	do	97.80
	Maurice Connell	do	97.80
	W. D. Maxwell	do	97.80
	J. P. Slaughter	do	97.80
	Emma D. Sharpe	do	25.00
	J. J. Kelliher	do	81.60
	Luther M. Dey, jr	do	81.60
	W. G. Burns	do	122.20
	Marsden Wright	do	81.60
	Jos. C. Piercy	do	97.80
	Wm. A. Shaw	do	97.80
	M. E. Conway	do	68.40
	Hugh Legler	do	68.40
	H. W. Grasse	do	81.60
	A. W. Kinnie	do	25.00
	F. L. McClintic	do	81.60
	Geo. W. Scott	do	97.80
	Jas. J. Doshier	do	58.80
	F. Z. Gossewisch	do	97.80
	Harvey B. Dick	do	81.60
	Hal P. Hardin	do	81.60
	Jno. J. McLean	do	97.80
	Chas. W. Ling	do	81.60
	Robt. L. Anderson	do	81.60
	Oscar D. Stewart	do	97.80
	Jos. L. Cline	do	97.80
	Jos. B. Bolton	do	97.80
	Eliz. L. Renoe	do	25.00
	A. H. Bell	do	97.80
	Albert Ashenberger	do	97.80
	U. G. Myers	do	97.80
	J. P. Fallihee	do	58.80
	Geo. T. Todd	do	97.80
	Julius M. Sherier	do	106.00
	Alpheus Drinkwater	do	40.80
	Geo. Reeder	do	97.80
	Wayland Bailey	do	81.60
	John W. Byram	do	97.80
	Geo. L. Lovett	do	25.00
	C. P. Cronk	do	106.00
	W. L. Day	do	97.80
	Benj. M. Jacobs	do	24.40
	W. C. McGuiness	do	81.60
	Albert Brand	do	97.80
	Jno. J. O'Donnell	do	81.60
	Geo. W. Edey	do	97.80
	N. D. Lane	do	97.80
	Balfe D. Johnson	do	25.00
	Ray C. Johnson	do	28.42
	R. E. Glenn	do	4.00
	J. J. Beard	do	45.00
	Jno. C. Foster	do	26.55
	H. McP. Baldwin	do	6.77
Dec. 11	Camden W. Kennedy	do	26.00
17	R. E. Glenn	do	3.00
	do	do	9.00
	Mary G. Tarr	do	12.48
	Fred. W. Brist	do	68.40
	Robt. O. Cook, jr	do	15.00
18	Chas. Adie	do	74.56

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Dec. 19	Wm. J. Buhmann .....	Services .....	\$20.50
31	W. J. Crowley .....	do .....	70.38
	Richd. M. Geddings .....	do .....	35.87
	Geo. W. Eddey .....	do .....	101.10
	Jno. D. Blagden .....	do .....	84.20
	B. D. Johnson .....	do .....	25.00
	Albert Brand .....	do .....	101.10
	W. C. McGuinness .....	do .....	84.20
	Benj. F. Jacobs .....	do .....	25.30
	W. C. Day .....	do .....	101.10
	C. P. Cronk .....	do .....	109.50
	Geo. L. Lovett .....	do .....	25.00
	Wayland Bailey .....	do .....	84.20
	Jno. W. Byram .....	do .....	101.10
	Alpheus Drinkwater .....	do .....	42.10
	J. M. Sherier .....	do .....	109.50
	Geo. T. Todd .....	do .....	101.10
	U. G. Myers .....	do .....	101.10
	J. P. Fallihee .....	do .....	60.60
	A. H. Bell .....	do .....	101.10
	Eliz. L. Renoe .....	do .....	25.00
	J. P. Bolton .....	do .....	101.10
	O. D. Stewart .....	do .....	101.10
	R. L. Anderson .....	do .....	84.20
	Chas. W. Ling .....	do .....	84.20
	Jno. J. McLean .....	do .....	101.10
	Hal P. Hardin .....	do .....	84.20
	Harvey B. Dick .....	do .....	84.20
	F. Z. Gossewisch .....	do .....	101.10
	Geo. W. Scott .....	do .....	101.10
	F. L. McClintic .....	do .....	84.20
	H. W. Grasse .....	do .....	84.20
	Hugh Legler .....	do .....	70.80
	M. C. Conway .....	do .....	70.80
	W. A. Shaw .....	do .....	101.10
	Jno. C. Piercy .....	do .....	101.10
	J. C. Kelliher .....	do .....	84.20
	Emma D. Sharpe .....	do .....	25.00
	Chas. Adie .....	do .....	70.80
	W. D. Maxwell .....	do .....	101.10
	Maurice Connell .....	do .....	101.10
	Thos. Gibson .....	do .....	101.10
	Jas. A. Barwick .....	do .....	101.10
	Jno. R. Williams .....	do .....	101.10
	Chas. Stewart .....	do .....	109.50
	Jos. Sands .....	do .....	60.60
	Frank R. Beahan .....	do .....	101.10
	Fitzhugh Newman .....	do .....	101.10
	F. L. Johnson .....	do .....	101.10
	Ella W. Daniels .....	do .....	25.00
	Julius C. Hayden .....	do .....	84.20
	Orris W. Roberts .....	do .....	101.10
	Estate of Theo. Bornkassell .....	do .....	21.74
	Marsden Wright .....	do .....	76.84
	Sumner Hackett .....	do .....	40.40
	N. D. Lane .....	do .....	101.10
	Jos. J. Doshier .....	do .....	60.60
	A. W. Kennie .....	do .....	25.00
	J. P. Slaughter .....	do .....	101.10
	Allen Buell et al .....	SALARIES .....	113.82
	Patrick Conner et al .....	do .....	319.06
	E. H. Emery et al .....	do .....	571.00
	E. A. Evans et al .....	do .....	387.40
	Geo. H. Hagan et al .....	do .....	131.40
	Chas. E. Linney et al .....	do .....	589.10
	W. G. Burns et al .....	do .....	240.90
	O. C. Burrows et al .....	do .....	114.50
	Frank Ridgway et al .....	do .....	353.80
	Wm. J. Olds et al .....	do .....	126.40
	E. P. Jones et al .....	do .....	240.90
	A. B. Wallaber et al .....	do .....	365.60
	C. F. von Herrmann et al .....	do .....	382.50
	Orin Parker et al .....	do .....	193.70
	Robt. J. Hyatt et al .....	do .....	421.10
	Patk. F. Lyons et al .....	do .....	294.80
	L. H. Murdock et al .....	do .....	328.60
	Ford A. Carpenter et al .....	do .....	131.40
	E. C. Thompson et al .....	do .....	131.40
	Geo. H. Willson et al .....	do .....	591.30
	Robt. M. Hardinge et al .....	do .....	210.60

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1900, Dec. 31	Alex. G. Burnset al	Salaries	\$139.80
	Harry B. Boyer et al	do	250.60
	Geo. N. Salisbury et al	do	298.30
	Danl. P. McCallum et al	do	131.40
	U. G. Purssell et al	do	131.40
	M. E. Blystone et al	do	240.90
	Jno. S. Hazzen et al	do	141.50
	E. C. Hobbs et al	do	131.40
	W. S. Currier et al	do	218.70
	T. B. Jennings et al	do	166.80
	W. S. Belden et al	do	264.50
	Geo. W. Felger et al	do	171.90
	Jno. R. Weeks et al	do	131.40
	L. G. Schultz et al	do	131.40
	I. M. Cline et al	do	266.10
	W. H. Fallon et al	do	131.10
	F. W. Courad et al	do	131.40
	Saml. L. Doshier et al	do	134.70
	E. R. Demain et al	do	139.80
	E. J. Glass et al	do	240.90
	Robt. B. Harkness et al	do	131.40
	S. W. Glenn et al	do	240.90
	C. F. R. Wappenhaus et al	do	446.40
	Robt. G. Allen et al	do	267.50
	Alex. J. Mitchell et al	do	227.50
	W. U. Simons et al	do	139.80
	Weston M. Fulton et al	do	151.70
	Robt. H. Dean et al	do	131.40
	Charles F. Schneider et al	do	197.20
	Robt. Q. Grant et al	do	126.10
	Geo. A. Loveland et al	do	348.60
	E. B. Richards et al	do	412.80
	Geo. E. Franklin et al	do	230.60
	H. B. Hersey et al	do	448.10
	Geo. W. Wilson et al	do	131.40
	T. S. Collins et al	do	131.40
	H. R. Patrick et al	do	131.40
	Saml. C. Emery et al	do	240.90
	Lee A. Denson et al	do	131.40
	W. M. Wilson et al	do	528.90
	Thos. S. Outram et al	do	451.40
	Wm. M. Dudley et al	do	202.20
	Thos. P. Chaffee et al	do	328.60
	Geo. E. Grimes et al	do	114.50
	Henry C. Bate et al	do	438.00
	D. C. Grunow et al	do	144.80
	Edw. W. McGann et al	do	156.70
	L. M. Tarr et al	do	202.20
	W. T. Blythe et al	do	530.60
	Jas. J. Gray et al	do	224.00
	Chas. M. Strong et al	do	227.50
	L. A. Welsh et al	do	298.30
	J. G. Linsley et al	do	131.40
	E. C. Vose et al	do	268.00
	M. J. Wright, jr., et al	do	141.50
	Luther M. Dey et al	do	628.30
	S. S. Bassler et al	do	443.10
	James Kenealy et al	do	446.40
	J. W. Smith et al	do	402.30
	A. E. Hackett et al	do	247.20
	Jacob W. Bauer et al	do	156.70
	Geo. Reeder et al	do	126.53
	F. H. Brandenburg et al	do	367.20
	Geo. M. Chappel et al	do	409.30
	N. B. Conger et al	do	603.20
	E. H. Bowie et al	do	131.40
	H. W. Richardson et al	do	251.00
	Danl. C. Murphy et al	do	131.40
	Albert Ashenberger et al	do	121.64
	Thos. J. Considine et al	do	210.60
	Geo. B. Wurtz et al	do	126.10
	E. H. Nimmo et al	do	131.40
	A. F. Sims et al	do	227.50
	Fenton H. Duff et al	do	126.40
	Jno. B. Marbury et al	do	438.00
	David Fisher et al	do	131.40
	F. H. Clarke et al	do	141.10
	Byron H. Bronson et al	do	240.90
	S. M. Blandford et al	do	240.90
	J. W. Smith et al	do	570.60



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1900. Dec. 31	David Cuthbertson et al.....	Salaries.....	\$375.60
	Patrick H. Smyth et al.....	do.....	210.60
	Jas. H. Smith et al.....	do.....	180.30
	L. N. Jesunofsky et al.....	do.....	151.40
	Chas. Davis et al.....	do.....	141.10
	L. M. Pindell et al.....	do.....	224.00
	W. S. Palmer et al.....	do.....	240.90
	Total, second quarter.....		95,958.82
1901. Jan. 4	Jos. L. Cline.....	Services.....	61.96
	W. J. Duba.....	do.....	26.00
	W. E. Donaldson.....	do.....	101.10
	R. E. Glenn.....	do.....	6.00
	Chas. H. Whyte.....	do.....	10.00
	Oliver L. Fassig et al.....	Salaries.....	417.90
16	Chas. Gibbs.....	Services.....	28.00
	Robt. O. Cook, jr.....	do.....	.50
	C. W. Kennedy.....	do.....	7.00
17	Jno. R. Morton.....	do.....	2.45
18	Le Roi E. Stanton.....	do.....	14.00
	Jno. J. O'Donnell.....	do.....	62.50
25	R. E. Glenn.....	do.....	3.00
	Elmer Nickum.....	do.....	5.00
31	Geo. H. Eddey.....	do.....	103.30
	Jno. D. Blagden.....	do.....	86.10
	Balf D. Johnson.....	do.....	25.00
	Albert Brand.....	do.....	103.30
	W. C. McGuinness.....	do.....	86.10
	Benj. M. Jacobs.....	do.....	25.80
	W. L. Day.....	do.....	103.30
	C. P. Cronk.....	do.....	111.90
	Geo. L. Lovett.....	do.....	25.00
	Jno. W. Byram.....	do.....	103.30
	A. Drinkwater.....	do.....	43.10
	J. M. Sherier.....	do.....	111.90
	W. G. Myers.....	do.....	103.30
	J. P. Falliher.....	do.....	62.00
	N. D. Lane.....	do.....	103.30
	Aaron H. Bell.....	do.....	103.30
	Jos. P. Bolton.....	do.....	103.30
	O. D. Stewart.....	do.....	103.30
	R. L. Anderson.....	do.....	86.10
	Chas. W. Ling.....	do.....	86.10
	Jno. J. McLean.....	do.....	103.30
	Hal. P. Hardin.....	do.....	86.10
	Harvey B. Dick.....	do.....	86.10
	F. Z. Gossewisch.....	do.....	103.30
	Jos. J. Doshier.....	do.....	62.00
	Geo. W. Scott.....	do.....	103.30
	F. L. McClintic.....	do.....	86.10
	Wayland Bailey.....	do.....	86.10
	Jno. R. Morton.....	do.....	25.80
	H. W. Grasse.....	do.....	86.10
	M. E. Conway.....	do.....	72.30
	Jos. C. Piercy.....	do.....	103.30
	Marsden Wright.....	do.....	72.30
	J. J. Kalliher.....	do.....	86.10
	Emma D. Sharpe.....	do.....	25.00
	Chas. Adie.....	do.....	72.30
	J. P. Slaughter.....	do.....	103.30
	W. D. Maxwell.....	do.....	103.30
	Maurice Connell.....	do.....	103.30
	Thos. Gibson.....	do.....	103.30
	Jas. A. Barwick.....	do.....	103.30
	Allen Buell.....	do.....	103.30
	Jno. R. Williams.....	do.....	103.30
	Jos. Sands.....	do.....	62.00
	Frank Beahan.....	do.....	103.30
	Fitzhugh Newman.....	do.....	103.30
	F. L. Johnson.....	do.....	103.30
	Ella W. Daniels.....	do.....	25.00
	Julius C. Hayden.....	do.....	86.10
	O. W. Roberts.....	do.....	103.30
	Sumner Hackett.....	do.....	41.30
	Geo. T. Todd.....	do.....	103.30
	Hugo Legler.....	do.....	72.30
	Eliz. L. Renoe.....	do.....	25.00
	Albert W. Kennie.....	do.....	25.00
	Wm. Bell et al.....	Salaries.....	134.30

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. Jan. 31	Jno. S. Hazen et al. ....	Salaries .....	\$144.60
	M. E. Blystone et al. ....	do .....	246.30
	Chas. Stewart et al. ....	do .....	184.20
	Danl. P. McCallum et al. ....	do .....	134.30
	Geo. N. Salisbury et al. ....	do .....	201.50
	Harry P. Boyer et al. ....	do .....	255.30
	R. M. Hardinge et al. ....	do .....	215.30
	E. C. Thompson et al. ....	do .....	134.30
	Ford A. Carpenter et al. ....	do .....	134.30
	L. H. Murdock et al. ....	do .....	335.80
	Robt. J. Hyatt et al. ....	do .....	430.50
	Orin Parker et al. ....	do .....	198.00
	E. A. Evans et al. ....	do .....	396.10
	A. B. Wallaber et al. ....	do .....	301.30
	C. F. von Herrmann et al. ....	do .....	390.90
	Edw. P. Jones et al. ....	do .....	246.30
	W. J. Olds et al. ....	do .....	129.10
	Frank Ridgeway et al. ....	do .....	330.60
	O. C. Burrows et al. ....	do .....	117.10
	L. M. Dey et al. ....	do .....	642.30
	Wm. G. Burns et al. ....	do .....	246.30
	M. J. Wright, jr., et al. ....	do .....	144.60
	Julius J. Linney et al. ....	do .....	134.30
	L. A. Welsh et al. ....	do .....	334.80
	Chas. M. Strong et al. ....	do .....	232.50
	E. H. Emery et al. ....	do .....	583.70
	Wm. T. Blythe et al. ....	do .....	542.40
	Edw. M. McGann et al. ....	do .....	160.20
	E. C. Hobbs et al. ....	do .....	165.30
	Lee A. Denson et al. ....	do .....	134.30
	Thos. S. Outram et al. ....	do .....	461.50
	Frank P. Chaffee et al. ....	do .....	335.80
	Geo. E. Guinness et al. ....	do .....	117.10
	Henry C. Bate et al. ....	do .....	447.70
	Saml. C. Emery et al. ....	do .....	246.30
	H. R. Patrick et al. ....	do .....	134.30
	T. S. Collins et al. ....	do .....	134.30
	Geo. N. Wilson et al. ....	do .....	134.30
	H. B. Hersey et al. ....	do .....	458.00
	Geo. E. Franklin et al. ....	do .....	235.30
	E. B. Richards et al. ....	do .....	395.90
	Geo. A. Loveland et al. ....	do .....	355.60
	Chas. F. Schneider et al. ....	do .....	201.50
	W. M. Fulton et al. ....	do .....	154.90
	Patk. Connor et al. ....	do .....	332.40
	A. J. Mitchell et al. ....	do .....	232.50
	Robt. G. Allen et al. ....	do .....	272.50
	C. F. R. Wappenhaus et al. ....	do .....	456.40
	T. W. Glenn et al. ....	do .....	246.30
	R. B. Harkness et al. ....	do .....	134.30
	E. J. Glass et al. ....	do .....	246.30
	Saml. L. Doshier et al. ....	do .....	137.80
	E. R. Demain et al. ....	do .....	142.90
	Fredk. W. Conrad et al. ....	do .....	134.30
	Louis G. Schultz et al. ....	do .....	134.30
	E. H. Nimmo et al. ....	do .....	134.30
	Thos. J. Considine et al. ....	do .....	215.20
	Geo. B. Wurtz et al. ....	do .....	128.30
	Danl. C. Murphy et al. ....	do .....	134.30
	H. W. Richardson et al. ....	do .....	256.60
	E. H. Bowie et al. ....	do .....	134.30
	N. B. Conger et al. ....	do .....	606.10
	Geo. M. Chappel et al. ....	do .....	418.50
	F. H. Brandenburg et al. ....	do .....	447.70
	Geo. Reeder et al. ....	do .....	134.30
	J. W. Smith et al. ....	do .....	410.70
	J. W. Bauer et al. ....	do .....	160.20
	Arthur E. Hackett et al. ....	do .....	251.50
	Jas. Kenealy et al. ....	do .....	456.30
	S. S. Bassler et al. ....	do .....	452.80
	Walter S. Palmer et al. ....	do .....	246.30
	L. M. Pindell et al. ....	do .....	229.00
	Chas. Davis et al. ....	do .....	143.30
	L. N. Jesunofsky et al. ....	do .....	154.20
	Jas. H. Smith et al. ....	do .....	184.20
	P. H. Smyth et al. ....	do .....	215.20
	David Cuthbertson et al. ....	do .....	384.00
	J. W. Smith et al. ....	do .....	559.17
	Saml. M. Blandford et al. ....	do .....	246.30
	B. H. Bronson et al. ....	do .....	246.30

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Jan. 31	O. L. Fassig et al.	Salaries	\$425.40
	Jno. B. Marbury et al.	do	447.70
	Geo. H. Hagen et al.	do	134.30
	Robt. Q. Grant et al.	do	128.30
	F. H. Duff et al.	do	129.10
	David Fisher et al.	do	134.30
	Jno. R. Weeks et al.	do	134.30
	I. M. Cline et al.	do	375.40
	W. M. Wilson et al.	do	540.70
	L. M. Tarr et al.	do	206.60
	Jas. J. Gray et al.	do	229.00
	Chas. E. Linney et al.	do	600.40
	Wm. S. Currier et al.	do	223.00
	T. B. Jennings et al.	do	170.50
	W. S. Belden et al.	do	270.30
	G. W. Felger et al.	do	175.60
	A. F. Sims et al.	do	232.50
	F. H. Clarke et al.	do	143.30
	W. H. Fallon et al.	do	133.30
	W. U. Simons et al.	do	142.90
	Wm. M. Dudley et al.	do	206.60
	Elisha C. Vose et al.	do	273.80
	Patk. F. Lyons et al.	do	301.40
	Robt. H. Dean et al.	do	134.30
	Geo. H. Wilson et al.	do	604.40
	Alex. G. Burns.	Services	111.90
	W. E. Donaldson et al.	Salaries	134.30
Feb. 1	Nathaniel Chapman	Services	10.00
	Louis Mennier	do	30.00
5	W. J. Duba	do	27.00
	Patk. McDonough	do	13.33
	Jno. G. Wood	do	27.00
	Calvin N. Hunn	do	9.00
	Geo. M. Wilmath	do	4.00
8	W. C. Cameron	do	30.00
	Chas. J. Nash	do	17.50
	Jas. M. Paris	do	18.00
11	F. Ray McMillan	do	28.00
	U. G. Purssell et al.	Salaries	134.30
	Albert Ashenberger	Services	103.30
	W. A. Shaw	do	103.30
13	W. D. Gall	do	2.00
	Chas. Sherman	do	2.00
	Camden W. Kennedy	do	3.00
	Frank Bell	do	4.00
19	Frank C. Murphy	do	24.00
23	F. Ray McMillan	do	14.00
	James R. Haynes	do	3.00
	W. T. Blythe	do	19.00
28	Alex. G. Burns.	do	101.20
	J. C. Hayden	do	77.80
	Ella W. Daniels	do	25.00
	F. L. Johnson	do	93.40
	Fitzhugh Newman	do	93.40
	Frank R. Beahan	do	93.40
	J. Sands	do	56.00
	Jno. R. Williams	do	93.40
	Ellen Buell	do	93.40
	Jas. A. Barwick	do	93.40
	Maurice Connell	do	93.40
	W. D. Maxwell	do	93.40
	J. P. Slaughter	do	93.40
	Waylan Bailey	do	77.80
	Chas. Adie	do	65.40
	Emma D. Sharpe	do	25.00
	J. J. Kelliber	do	77.80
	Patk. McDonough	do	93.40
	Jos. C. Piercy	do	93.40
	W. A. Shaw	do	93.40
	M. E. Conway	do	65.40
	Hugo Legler	do	65.40
	H. W. Grasse	do	77.80
	Jno. R. Morton	do	23.40
	Geo. W. Scott	do	93.40
	F. Z. Gossewisch	do	93.40
	E. B. Dick	do	77.80
	Hal. P. Hardin	do	77.80
	Jno. J. McLean	do	93.40
	Chas. W. Ling	do	77.80
	R. L. Anderson	do	77.80



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Feb. 28	A. H. Bell	Services	593.40
	Albert Ashenberger	do	93.40
	U. G. Myers	do	93.40
	Geo. T. Todd	do	93.40
	J. M. Sherier	do	101.20
	A. Drinkwater	do	38.80
	Jno. W. Byram	do	93.40
	Geo. L. Lovett	do	25.00
	C. P. Cronk	do	101.20
	Benj. M. Jacobs	do	23.40
	F. J. Walz	do	373.26
	W. C. McGuinness	do	77.80
	Albert Brand	do	93.40
	B. D. Johnson	do	25.00
	Jno. D. Blagden	do	77.80
	Geo. W. Eddey	do	93.40
	Jos. P. Bolton	do	95.40
	A. W. Kenne	do	23.00
	Thos. Gibson	do	93.40
	Frank L. McClintic	do	77.80
	E. L. Renoe	do	25.00
	Sumner Hackett	do	37.40
	Willie J. Duba	do	24.00
	N. C. Jones	do	20.00
	Harold Frederick	do	20.00
	Louis Mennier	do	24.00
	O. W. Roberts	do	93.40
	H. C. O'Brien	do	11.73
	O. D. Stewart	do	93.40
	N. D. Lane	do	93.40
	W. L. Day	do	93.40
	J. J. Dosker	do	56.00
	G. W. Felger et al	Salaries	158.80
	Chas. E. Linney et al	do	549.20
	Patrick Connor et al	do	300.20
	Everett C. Hobbs et al	do	149.40
	E. C. Thompson et al	do	121.40
	Jas. J. Gray et al	do	207.00
	L. M. Tarr et al	do	186.80
	Geo. C. Grimes et al	do	105.80
	W. M. Wilson et al	do	488.60
	F. H. Brandenburg et al	do	404.60
	David Fisher et al	do	121.40
	A. F. Sims et al	do	210.00
	Fenton H. Duff et al	do	116.80
	Jno. B. Marbury et al	do	404.60
	O. L. Fassig et al	do	389.20
	B. H. Bronson et al	do	222.40
	S. M. Blandford et al	do	222.40
	J. W. Smith et al	do	518.20
	David Cuthbertson et al	do	347.00
	P. H. Smith et al	do	194.60
	Jas. H. Smith et al	do	166.60
	Chas. Davis et al	do	133.40
	L. N. Jesunofsky et al	do	141.60
	L. M. Pindell et al	do	207.00
	W. S. Palmer et al	do	222.40
	Geo. Reeder et al	do	121.40
	S. S. Bassler et al	do	409.40
	Jas. Kenealy et al	do	412.40
	A. E. Hackett et al	do	232.00
	Jacob W. Bauer et al	do	144.60
	J. W. Smith et al	do	373.60
	Geo. M. Chappell et al	do	378.00
	N. B. Conger et al	do	547.80
	Edw. H. Bowie et al	do	121.40
	H. W. Richardson et al	do	231.80
	D. C. Murphy et al	do	115.40
	Thos. J. Considine et al	do	194.60
	Geo. B. Wurtz et al	do	118.40
	E. H. Nimmo et al	do	124.40
	Jno. R. Weeks et al	do	124.40
	Louis G. Schultz et al	do	124.40
	I. M. Cline et al	do	404.60
	W. H. Fallon et al	do	123.40
	F. W. Conrad et al	do	121.40
	E. R. Demain et al	do	129.40
	Sam L. Dosher et al	do	124.40
	Elvin J. Glass et al	do	222.40
	Robt. B. Harkness et al	do	121.40

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. Feb. 28	S. W. Glenn et al	Salaries	\$222.40
	Robt. G. Allen et al	do	184.60
	C. F. K. Wappenhaus et al	do	412.20
	Alex. J. Mitchell et al	do	210.00
	W. U. Simons et al	do	129.20
	W. M. Fulton et al	do	140.20
	Robt. H. Dean et al	do	121.40
	Chas. F. Schneider et al	do	182.00
	Robt. Q. Grant et al	do	118.40
	Geo. A. Loveland et al	do	323.80
	Edw. B. Richards et al	do	381.20
	Geo. E. Franklin et al	do	202.40
	Henry B. Hersey et al	do	414.00
	Geo. N. Wilson et al	do	121.40
	T. S. Collins et al	do	121.40
	H. R. Patrick et al	do	121.40
	Saml. C. Emery et al	do	222.40
	Lee A. Denson et al	do	124.00
	Thos. S. Outram et al	do	417.00
	Wm. M. Dudley et al	do	186.80
	Frank P. Chaffee et al	do	303.40
	Henry C. Bate et al	do	404.60
	Edw. W. McGann et al	do	144.60
	W. T. Blythe et al	do	462.20
	E. H. Emery et al	do	527.60
	Chas. M. Strong et al	do	210.00
	L. A. Welsh et al	do	303.40
	J. G. Lindsley et al	do	121.40
	E. C. Vose et al	do	182.00
	M. J. Wright, jr., et al	do	130.80
	Luther M. Dey et al	do	580.40
	Orville C. Burrows et al	do	105.80
	Frank Ridgway et al	do	326.80
	Wm. G. Burns et al	do	222.40
	Wm. J. Olds et al	do	116.80
	Edwd. P. Jones et al	do	222.40
	Arthur B. Wallaber et al	do	272.40
	Chas. F. von Herrmann et al	do	353.20
	Edwd. A. Evans et al	do	357.80
	Orin Parker et al	do	179.00
	Robt. J. Hyatt et al	do	389.00
	P. F. Lyons et al	do	272.20
	Ford A. Carpenter et al	do	121.40
	W. E. Donaldson et al	do	121.40
	Chas. Stewart et al	do	166.60
	Robt. M. Hardinge et al	do	194.40
	Geo. N. Salisbury et al	do	182.00
	U. G. Purssell et al	do	121.40
	D. P. McCallum et al	do	121.40
	L. H. Murdock et al	do	303.40
	M. E. Blystone et al	do	222.40
	Jno. S. Hazen et al	do	130.80
	Geo. H. Willson et al	do	546.20
	H. B. Boyer et al	do	234.40
	Wm. Bell et al	do	121.40
	E. G. Colvin et al	do	121.40
	W. S. Currier et al	do	204.00
	T. B. Jennings et al	do	154.00
	W. S. Beldin et al	do	244.40
Mar. 7	Fred. H. Clarke et al		198.80
13	W. C. Cameron	Services	30.00
	Chas. J. Thornton	do	15.00
	C. W. Kennedy	do	24.00
	E. A. Valls	do	22.32
23	Wm. Weber	do	7.00
30	Eliz. L. Renoe	do	25.00
	Jno. J. Doshier	do	62.00
	Thos. C. Alford	do	12.00
	E. D. Beattie	do	120.00
	W. C. Cameron	do	19.00
	Geo. W. Eddey	do	103.30
	Jas. F. Atherton	do	86.10
	B. D. Johnson	do	25.00
	Albert Brand	do	103.30
	W. C. McGuinness	do	86.10
	Benj. M. Jacob	do	25.80
	W. L. Day	do	103.30
	Chas. E. Garrett	do	31.60
	C. P. Cronk	do	111.90
	Geo. L. Lovett	do	25.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. Mar. 30	Ferd. J. Walz .....	Services .....	\$153.00
	Jno. W. Byram .....	do .....	103.30
	A. Drinkwater .....	do .....	43.10
	Julius M. Sherier .....	do .....	111.90
	Geo. T. Todd .....	do .....	103.30
	U. A. Myers .....	do .....	103.30
	Joseph Sands .....	do .....	62.00
	N. D. Lane .....	do .....	103.30
	Aaron H. Bell .....	do .....	103.30
	Jos. P. Bolton .....	do .....	103.30
	M. L. Leffler .....	do .....	44.44
	O. D. Stewart .....	do .....	103.30
	Chas. W. Ling .....	do .....	86.10
	Robt. C. Anderson .....	do .....	86.10
	Sumner Hackett .....	do .....	41.30
	Orris W. Roberts .....	do .....	103.30
	J. C. Hayden .....	do .....	86.10
	Ella W. Daniels .....	do .....	25.00
	F. L. Johnson .....	do .....	103.30
	Fitzhugh Newman .....	do .....	103.30
	D. C. Grunow .....	do .....	77.77
	Jno. R. Williams .....	do .....	103.30
	Jas. A. Barwick .....	do .....	103.30
	Thos. Gibson .....	do .....	86.10
	Maurice Connell .....	do .....	103.30
	Wm. D. Maxwell .....	do .....	103.30
	J. P. Slaughter .....	do .....	103.30
	Chas. Adie .....	do .....	72.30
	Emma D. Sharpe .....	do .....	25.00
	J. J. Kelliher .....	do .....	86.10
	Patk. McDonough .....	do .....	103.30
	J. C. Piercy .....	do .....	103.30
	Wm. A. Shaw .....	do .....	103.30
	Frank R. Beahan .....	do .....	103.30
	M. C. Conway .....	do .....	72.30
	Hugo Legler .....	do .....	72.30
	H. W. Grasse .....	do .....	86.10
	Jno. R. Morton .....	do .....	25.80
	A. W. Kennie .....	do .....	25.00
	Frank L. McClinic .....	do .....	86.10
	Geo. W. Scott .....	do .....	103.30
	F. Z. Gossewisch .....	do .....	103.30
	H. B. Dick .....	do .....	86.10
	Hal. P. Hardin .....	do .....	86.10
	Jno. J. McLean .....	do .....	103.30
	Alex. G. Burns .....	do .....	111.90
	Robt. G. Allen et al. ....	Salaries .....	272.50
	C. F. R. Wappenhaus et al. ....	do .....	456.40
	S. W. Glenn et al. ....	do .....	246.30
	Robt. B. Harkness et al. ....	do .....	134.30
	E. J. Glass et al. ....	do .....	246.30
	Sam L. Doshier et al. ....	do .....	137.80
	E. R. Demain et al. ....	do .....	142.90
	F. W. Conrad et al. ....	do .....	134.30
	W. H. Fallon et al. ....	do .....	133.30
	L. G. Schultz et al. ....	do .....	134.30
	T. S. Collins et al. ....	do .....	134.30
	E. H. Nimmo et al. ....	do .....	134.30
	Dan. C. Murphy et al. ....	do .....	134.30
	H. W. Richardson et al. ....	do .....	256.60
	N. B. Conger et al. ....	do .....	606.10
	Jacob W. Bauer et al. ....	do .....	160.20
	A. E. Hackett et al. ....	do .....	251.50
	E. W. McGann et al. ....	do .....	160.20
	E. C. Hobbs et al. ....	do .....	165.30
	Henry C. Bate et al. ....	do .....	447.70
	Geo. E. Grimes et al. ....	do .....	117.10
	Frank P. Chaffee et al. ....	do .....	335.80
	Thos. S. Outram et al. ....	do .....	461.50
	Lee A. Denson et al. ....	do .....	134.30
	Henry R. Patrick et al. ....	do .....	134.30
	Geo. N. Wilson et al. ....	do .....	134.30
	Henry B. Hersey et al. ....	do .....	458.00
	Geo. E. Franklin et al. ....	do .....	246.30
	Edw. B. Richards et al. ....	do .....	421.90
	Geo. J. Loveland et al. ....	do .....	355.60
	Robt. H. Dean et al. ....	do .....	134.30
	W. M. Fulton et al. ....	do .....	154.90
	Chas. F. von Herrmann et al. ....	do .....	390.90
	Arthur B. Wallaber et al. ....	do .....	387.40



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. Mar. 30	Frank Ridgway et al.	Salaries	\$361.60
	O. C. Burrows et al.	do	117.10
	L. M. Dey et al.	do	642.30
	Wm. G. Burns et al.	do	246.30
	Marcus J. Wright et al.	do	144.60
	Elisha C. Vose et al.	do	273.80
	Julius G. Linsley et al.	do	134.30
	Lucius A. Welsh et al.	do	335.80
	Chas. M. Strong et al.	do	232.50
	E. H. Emery et al.	do	583.70
	Wm. Bell et al.	do	134.30
	Jno. S. Hazen et al.	do	144.60
	M. E. Blystone et al.	do	246.30
	Chas. Stewart et al.	do	184.20
	U. G. Purssell et al.	do	134.30
	Dan. P. McCallum et al.	do	134.30
	Geo. N. Salisbury et al.	do	201.50
	Wm. E. Donaldson et al.	do	134.30
	Robt. M. Hardinge et al.	do	215.30
	Geo. H. Willson et al.	do	604.40
	E. C. Thompson et al.	do	134.30
	Ford. A. Carpenter et al.	do	134.30
	Allen Buell et al.	do	137.30
	L. H. Murdock et al.	do	335.80
	Patk. F. Lyons et al.	do	301.40
	Orin Parker et al.	do	198.00
	Edw. A. Evans et al.	do	396.10
	Saml. C. Emery et al.	do	332.40
	Jno. R. Weeks et al.	do	134.30
	Chas. F. Schneider et al.	do	201.50
	Edw. P. Jones et al.	do	215.30
	Chas. E. Linney et al.	do	600.40
	Wm. S. Currier et al.	do	223.00
	G. W. Felger et al.	do	175.60
	David Fisher et al.	do	134.30
	B. H. Bronson et al.	do	246.30
	J. W. Smith et al.	do	573.40
	Patrick H. Smyth et al.	do	215.20
	J. Warren Smith et al.	do	410.70
	Geo. Reeder et al.	do	134.30
	F. H. Brandenburg et al.	do	361.60
	Geo. M. Chappel et al.	do	418.50
	E. H. Bowie et al.	do	134.30
	Albert Ashenberger et al.	do	134.30
	Thos. J. Considine et al.	do	215.20
	Geo. B. Wurtz et al.	do	128.30
	Isaac M. Cline et al.	do	447.70
	Alex. J. Mitchell et al.	do	232.50
	Patck. Connor et al.	do	246.30
	W. U. Simons et al.	do	142.90
	R. Q. Grant et al.	do	128.30
	W. M. Wilson et al.	do	540.70
	Wm. M. Dudley et al.	do	206.60
	L. M. Tarr et al.	do	206.60
	Wm. T. Blythe et al.	do	536.40
	Jas. J. Gray et al.	do	229.00
	Robt. J. Hyatt et al.	do	461.50
	Harry B. Boyer et al.	do	255.30
	Geo. H. Hagen et al.	do	134.30
	T. B. Jennings et al.	do	170.50
	W. S. Belden et al.	do	270.30
	Jas. Kenealy et al.	do	456.30
	S. S. Bassler et al.	do	452.80
	W. S. Palmer et al.	do	246.30
	L. S. Pindell et al.	do	229.00
	Chas. Davis et al.	do	143.30
	L. N. Jesunofsky et al.	do	154.20
	Jas. H. Smith et al.	do	184.20
	David Cuthbertson et al.	do	384.00
	Saml. M. Blandford et al.	do	215.30
	F. H. Clarke et al.	do	143.30
	O. L. Fassig et al.	do	425.40
	Jno. B. Marbury et al.	do	447.70
	Fenton H. Duff et al.	do	129.10
	A. F. Sims et al.	do	232.50
	Total third quarter		97,341.83
Apr. 4	A. V. Groce	Services	54.40
	Chas. J. Thornton	do	15.00

Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Apr. 4	Wm. J. Olds et al.	Salaries	\$129.10
13	Estate of J. Brown Hicklin	Services	58.33
19	R. A. J. Curtin	do	15.00
	Fredk. P. Holt	do	32.61
30	Ella W. Daniels	do	25.00
	F. L. Johnson	do	98.90
	Fitzhugh Newman	do	98.90
	D. C. Grunow	do	82.40
	J. A. Barwick	do	98.90
	Thos. Gibson	do	84.20
	Maurice Connell	do	98.90
	W. D. Maxwell	do	98.90
	J. P. Slaughter	do	98.90
	Chas. Adie	do	69.20
	Emma D. Sharpe	do	25.00
	J. J. Kelliher	do	82.40
	Pat'ck McDonough	do	98.90
	Jos. C. Piercy	do	98.90
	Wm. A. Shaw	do	98.90
	M. E. Conway	do	69.20
	Hugo Liegler	do	69.20
	H. W. Grasse	do	82.40
	A. W. Kennie	do	25.00
	F. E. Hartwell	do	41.21
	Frank L. McClintic	do	82.40
	Geo. W. Scott	do	98.90
	Jos. J. Doshier	do	59.30
	F. Z. Gossewisch	do	98.90
	H. B. Dick	do	82.40
	Hal P. Hardin	do	82.40
	Jno. J. McLean	do	98.90
	Chas. W. Ling	do	84.20
	Robt. L. Anderson	do	84.20
	Jos. P. Bolton	do	98.90
	Aaron H. Bell	do	98.90
	Jos. Sands	do	59.30
	U. G. Myers	do	98.90
	Julius M. Sherier	do	25.00
	Alpheus Drinkwater	do	41.20
	Jno. W. Byram	do	98.90
	Geo. L. Lovett	do	25.00
	C. P. Cronk	do	107.10
	Saml. C. Long	do	44.62
	W. L. Day	do	98.90
	Benj. M. Jacobs	do	24.70
	W. C. McGuinness	do	82.40
	Balf. G. Johnson	do	25.00
	Albert Brand	do	98.90
	Jas. F. Atherton	do	82.40
	Geo. W. Eddey	do	98.90
	Julius C. Hayden	do	82.40
	Jno. R. Williams	do	98.90
	Geo. T. Todd	do	98.90
	Nathan D. Lane	do	98.90
	O. D. Stewart	do	98.90
	Wm. P. Stewart	do	46.15
	Orris W. Roberts	do	98.90
	Richd. W. Gray	do	40.00
	Julius G. Linsley et al.	Salaries	128.60
	Lucius A. Welsh et al.	do	321.40
	Chas. M. Strong et al.	do	222.50
	Jas. J. Gray et al.	do	219.20
	Eben H. Emery et al.	do	558.70
	Wm. T. Blythe et al.	do	519.10
	L. M. Tarr et al.	do	197.80
	E. W. McGann et al.	do	153.30
	Frank R. Beaham et al.	do	158.20
	Henry C. Bate et al.	do	428.50
	Geo. E. Grimes et al.	do	112.10
	Frank P. Chaffee et al.	do	321.40
	Thos. S. Outram et al.	do	441.70
	Robt. G. Allen et al.	do	262.50
	C. F. R. Wappenhaus et al.	do	436.80
	S. W. Glenn et al.	do	235.70
	Robt. B. Harkness et al.	do	128.60
	Saml. L. Doshier et al.	do	131.90
	E. R. Demain et al.	do	136.80
	Fredk. W. Conrad et al.	do	128.60
	W. H. Fallon et al.	do	128.90

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. Apr. 30	I. M. Cline et al	Salaries	\$428.50
	L. G. Schultz et al	do	128.60
	T. S. Collins et al	do	128.60
	E. H. Nimmo et al	do	128.60
	Geo. B. Wurtz et al	do	128.60
	Thos. J. Considine et al	do	206.00
	Albert Ashenberger et al	do	128.60
	Danl. C. Murphy et al	do	128.60
	Herbert W. Richardson et al	do	245.60
	Edwd. H. Bowie et al	do	138.50
	Geo. W. Felger et al	do	168.10
	W. M. Wilson et al	do	517.50
	Lee A. Denson et al	do	128.60
	Saml. C. Emery et al	do	318.10
	Jno. R. Weeks et al	do	128.60
	Geo. N. Wilson et al	do	138.50
	H. B. Hersey et al	do	438.40
	Geo. E. Franklin et al	do	235.70
	E. B. Richards et al	do	403.80
	Geo. A. Loveland et al	do	341.40
	Robt. Q. Grant et al	do	123.90
	Robt. H. Dean et al	do	128.60
	Weston M. Fulton et al	do	148.30
	W. U. Simons et al	do	136.80
	Patek. Connor et al	do	235.70
	Chas. E. Linney et al	do	725.80
	T. B. Jennings et al	do	163.20
	N. B. Conger et al	do	580.10
	Geo. M. Chappel et al	do	410.40
	F. H. Brandenburg et al	do	428.50
	Geo. Reeder et al	do	128.60
	J. W. Smith et al	do	369.20
	Jacob W. Bauer et al	do	153.30
	Arthur E. Hackett et al	do	242.80
	Jas. Kenealy et al	do	436.70
	S. S. Bassler et al	do	493.40
	Chas. F. Schneider et al	do	192.80
	Walter S. Palmer et al	do	235.70
	Lewis M. Pindell et al	do	197.41
	L. N. Jesunofsky et al	do	153.30
	Jas. H. Smith et al	do	176.30
	Patek. H. Smyth et al	do	206.00
	David Cuthbertson et al	do	367.50
	J. W. Smith et al	do	548.80
	Saml. M. Blandford et al	do	235.70
	Byron H. Bronson et al	do	235.70
	Wm. E. Donaldson et al	do	147.10
	O. L. Fassig et al	do	417.50
	David Fisher et al	do	138.50
	Jno. B. Marbury et al	do	498.40
	Fenton H. Duff et al	do	128.60
	Alfred F. Sims et al	do	232.40
	Elisha C. Vose et al	do	262.00
	M. J. Wright, jr., et al	do	138.50
	L. M. Dey et al	do	614.80
	O. C. Burrows et al	do	122.00
	Frank Ridgway et al	do	346.10
	W. J. Olds et al	do	128.60
	Edw. P. Jones et al	do	206.00
	C. J. Campbell	Services	27.69
	A. B. Wallaber et al	Salaries	370.80
	W. G. Burns et al	do	235.70
	Chas. F. Von Herrmann et al	do	374.10
	Edw. A. Evans et al	do	379.10
	Orin Parker et al	do	189.50
	Robt. J. Hyatt et al	do	441.70
	Patk. F. Lyons et al	do	288.40
	L. H. Murdock et al	do	321.40
	Allen Buell et al	do	128.60
	Ford A. Carpenter et al	do	128.60
	Geo. H. Willson et al	do	578.50
	R. M. Hardinge et al	do	206.00
	Alex. G. Burns et al	do	136.80
	H. B. Boyer et al	do	246.00
	Geo. N. Salisbury et al	do	291.70
	D. P. McCallum et al	do	128.60
	U. G. Purssell et al	do	136.80
	Chas. Stewart et al	do	176.30
	M. E. Blystone et al	do	235.70
	Jno. S. Hazen et al	do	138.50



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Apr. 30	E. C. Hobbs et al.	Salaries	\$128.60
	Geo. H. Hager et al.	do	128.60
	W. S. Currier et al.	do	219.20
	W. S. Beldon et al.	do	258.70
	Henry R. Patrick et al.	do	122.67
	E. J. Glass et al.	do	219.88
	E. C. Thompson et al.	do	128.60
	F. H. Clarke et al.	do	151.93
	Chas. V. Richie	Services	27.69
	C. S. Leach	do	6.00
	Jno. C. Foster	do	15.00
	Jas. R. Haynes	do	6.92
	Eliz. L. Renoe	do	25.00
May 3	W. T. Blythe	do	4.84
	Alex. J. Mitchell et al.	Salaries	217.92
	Wm. Dudley	Services	98.90
	Hermann E. Hobbs	do	69.20
9	Fred. J. Rothert	do	6.92
	Addison H. Snyder	do	7.50
10	Geo. B. Graves	do	96.00
21	J. P. Williams, jr.	do	26.00
	J. P. Fallihee	do	40.00
	Jno. R. Morton	do	24.70
31	F. J. Walz et al.	Salaries	718.40
	David Fisher et al.	do	143.00
	Edw. B. Richards et al.	do	417.40
	Wm. G. Burns et al.	do	243.60
	Jno. E. Weeks et al.	do	132.80
	Chas. F. Schneider et al.	do	199.40
	L. M. Tarr et al.	do	169.72
	Jas. J. Gray et al.	do	226.60
	T. B. Jennings et al.	do	168.60
	E. C. Thompson et al.	do	204.40
	Alfred F. Simms et al.	do	240.20
	Fenton H. Duff et al.	do	132.80
	Jno. B. Marbury et al.	do	381.60
	O. L. Fassig et al.	do	430.00
	W. E. Donaldson et al.	do	150.80
	Byron H. Bronson et al.	do	243.60
	Saml. M. Blandford et al.	do	243.60
	J. W. Smith et al.	do	567.40
	David Cuthbertson et al.	do	380.00
	P. H. Smyth et al.	do	213.00
	Jas. A. Smith et al.	do	182.40
	L. N. Jesunofsky et al.	do	158.40
	Lewis M. Lindell et al.	do	196.00
	Walter S. Palmer et al.	do	243.60
	S. S. Bassler et al.	do	428.20
	Jas. Kenealy et al.	do	451.60
	Arthur E. Hackett et al.	do	249.40
	Jacob W. Bauer et al.	do	158.40
	J. W. Smith et al.	do	406.60
	Geo. Reeder et al.	do	132.80
	F. H. Brandenburg et al.	do	443.00
	Geo. M. Chappel et al.	do	424.20
	N. B. Conger et al.	do	374.80
	Edwd. H. Bowie et al.	do	143.00
	H. W. Richardson et al.	do	253.80
	Danl. C. Murphy et al.	do	132.80
	Albert Ashenberger et al.	do	132.80
	E. A. Evans et al.	do	391.80
	Thos. J. Considine et al.	do	213.00
	Geo. B. Wurtz et al.	do	132.80
	E. H. Nimmo et al.	do	132.80
	T. S. Collins et al.	do	132.80
	L. G. Schultz et al.	do	132.80
	I. M. Cline et al.	do	514.60
	W. H. Fallon et al.	do	132.20
	F. W. Conrad et al.	do	132.80
	E. R. Demain et al.	do	141.40
	Saml. L. Doshier et al.	do	136.20
	Elvin J. Glass et al.	do	213.00
	Robt. B. Harkness et al.	do	132.80
	S. W. Glenn et al.	do	243.60
	C. F. R. Wappenhaus et al.	do	451.40
	Robt. G. Allen et al.	do	270.00
	Alex. J. Mitchell et al.	do	158.40
	Patrick Connor et al.	do	243.60
	W. U. Simons et al.	do	141.40
	Weston M. Fulton et al.	do	153.40

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. May 31	Robt. H. Dean et al.	Salaries	\$132.80
	Robt. Q. Grant et al.	do	127.20
	Geo. A. Loveland et al.	do	365.80
	Geo. E. Franklin et al.	do	243.60
	Henry B. Hersey et al.	do	453.20
	Geo. N. Wilson et al.	do	143.00
	Henry R. Patrick et al.	do	132.80
	Saml. C. Emery et al.	do	328.80
	Lee A. Densen et al.	do	132.80
	W. M. Wilson et al.	do	535.00
	Thos. S. Outram et al.	do	456.60
	W. M. Dudley et al.	do	173.80
	Frank P. Chaffee et al.	do	332.20
	Geo. E. Grimes et al.	do	115.80
	Henry C. Bate et al.	do	443.00
	Frank R. Beahan et al.	do	163.60
	E. W. McGann et al.	do	158.40
	Wm. T. Blythe et al.	do	536.80
	Eben H. Emery et al.	do	577.60
	L. A. Welsh et al.	do	332.20
	Chas. M. Strong et al.	do	230.00
	Julius G. Linsley et al.	do	132.80
	Elisha C. Vose et al.	do	271.00
	M. J. Wright, jr., et al.	do	143.00
	Luther M. Dey et al.	do	635.40
	O. C. Burrows et al.	do	126.00
	Frank Ridgway et al.	do	357.80
	Wm. J. Olds et al.	do	132.80
	Edw. P. Jones et al.	do	243.60
	A. B. Wallaber et al.	do	383.40
	C. F. Von Herrmann et al.	do	386.80
	Orin Parker et al.	do	196.00
	Robt. J. Hyatt et al.	do	456.60
	P. F. Lyons et al.	do	298.20
	Lester H. Murdoch et al.	do	332.20
	Allen Buell et al.	do	132.80
	Fred A. Carpenter et al.	do	132.80
	Geo. H. Willson et al.	do	598.00
	Robt. M. Hardinge et al.	do	213.00
	Alex. G. Burns et al.	do	141.40
	Harry B. Boyer et al.	do	253.00
	F. H. Clarke et al.	do	183.40
	Geo. N. Salisbury et al.	do	301.60
	Danl. P. McCallum et al.	do	132.80
	N. G. Purssell et al.	do	141.40
	M. E. Blystone et al.	do	243.60
	Jno. S. Hazen et al.	do	143.00
	Chas. Stewart et al.	do	182.40
	Everett C. Hobbs et al.	do	132.80
	Geo. H. Hagen et al.	do	132.80
	Wm. S. Currier et al.	do	243.60
	Wm. S. Beldin et al.	do	267.60
	G. W. Felger	Services	173.80
	Chas. J. Thornton	do	15.00
	Jno. W. Crow	do	23.73
	Sumner Hackett	do	39.60
	J. C. Hayden	do	85.20
	Ella W. Daniels	do	25.00
	Dexter C. Grunow	do	85.20
	Jno. W. Crow	do	61.40
	J. J. Kelliher	do	85.20
	D. L. Crosby	do	27.69
	M. E. Conway	do	71.60
	Richd. W. Gray	do	40.00
	Joseph Sands	do	61.40
	N. D. Lane	do	102.20
	Eliz. L. Renoe	do	25.00
	Saml. C. Long	do	106.50
	Jno. C. Welsh	do	36.92
	Geo. W. Eddey	do	102.20
	Jas. F. Atherton	do	85.20
	Balfe D. Johnson	do	25.00
	Albert Brand	do	102.20
	W. C. McGuinness	do	85.20
	Benj. M. Jacobs	do	25.60
	Walcott L. Day	do	102.20
	Corydon P. Cronk	do	110.80
	Geo. L. Lovett	do	25.00
	John W. Byram	do	102.20
	Alpheus Drinkwater	do	42.60

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
May 31	Julius M. Sherier.....	Services.....	\$110.80
	Bemer S. Pague.....	do.....	153.40
	Geo. T. Todd.....	do.....	102.20
	U. G. Myers.....	do.....	102.20
	Aaron H. Bell.....	do.....	102.20
	Jos. P. Bolton.....	do.....	102.20
	Oscar D. Stewart.....	do.....	102.20
	Robt. L. Anderson.....	do.....	85.20
	Chas. W. Ling.....	do.....	85.20
	Jno. J. McLean.....	do.....	102.20
	Hal. P. Hardin.....	do.....	85.20
	Harvey B. Dick.....	do.....	85.20
	F. Z. Gosewisch.....	do.....	102.20
	Jos. J. Doshier.....	do.....	61.40
	Geo. W. Scott.....	do.....	102.20
	Frank L. McClintic.....	do.....	85.20
	Chas. V. Richey.....	do.....	40.80
	Albert W. Kennie.....	do.....	25.00
	Wm. P. Stewart.....	do.....	71.60
	Jno. R. Morton.....	do.....	25.60
	H. W. Grasse.....	do.....	85.20
	Hugo Legler.....	do.....	71.60
	Wm. A. Shaw.....	do.....	102.20
	Jos. C. Piercy.....	do.....	102.20
	Patrick McDonough.....	do.....	102.20
	Emma D. Sharpe.....	do.....	25.00
	Chas. Adie.....	do.....	71.60
	J. P. Slaughter.....	do.....	102.20
	W. D. Maxwell.....	do.....	102.20
	Thos. Gibson.....	do.....	85.20
	Jas. A. Barwick.....	do.....	102.20
	Jno. R. Williams.....	do.....	102.20
	Fitzhugh Newman.....	do.....	102.20
	F. L. Johnson.....	do.....	102.20
	Orris W. Roberts.....	do.....	102.20
	Sumner Hackett.....	do.....	40.80
June 4	M. Kean Maffitt.....	do.....	25.00
	A. E. Brown.....	do.....	26.00
12	Chas. Davis.....	do.....	85.71
	David Cuthbertson.....	Office expenses.....	10.00
	Jno. T. Neary.....	Services.....	2.97
	Carlton Jones.....	do.....	3.96
	C. S. Leach.....	do.....	30.00
15	Lucy N. Sands.....	do.....	118.00
	Maurice Connell.....	do.....	102.20
19	Herrmann E. Hobbs.....	do.....	60.00
	J. P. Williams, jr.....	do.....	27.00
20	Donald McLean.....	do.....	4.00
29	Norman M. Leonard.....	do.....	20.77
	G. W. McDowall.....	do.....	23.08
	Henry Jacke.....	do.....	28.00
	Henry A. Klaiber.....	do.....	20.00
	A. E. Brown.....	do.....	27.00
	Solomon Hyman.....	do.....	29.70
	R. M. Geddings.....	do.....	98.90
	Sumner Hackett.....	do.....	39.60
	Orris W. Roberts.....	do.....	98.90
	Julius C. Hayden.....	do.....	82.40
	Ella W. Daniels.....	do.....	25.00
	F. L. Johnson.....	do.....	98.90
	Fitzhugh Newman.....	do.....	98.90
	Dexter C. Grunow.....	do.....	82.40
	Jno. W. Crow.....	do.....	59.30
	Leon J. Guthrie.....	do.....	38.46
	Jno. R. Williams.....	do.....	98.90
	Edwin C. Thompson.....	do.....	9.89
	J. A. Barwick.....	do.....	98.90
	Thos. Gibson.....	do.....	82.40
	Maurice Connell.....	do.....	98.90
	Wm. D. Maxwell.....	do.....	98.90
	I. P. Slaughter.....	do.....	98.90
	Chas. Adie.....	do.....	69.20
	Grace H. Brown.....	do.....	24.70
	J. J. Kelliher.....	do.....	82.40
	Patrick McDonough.....	do.....	98.90
	Albert Brand.....	do.....	98.90
	Geo. T. Todd.....	do.....	98.90
	N. D. Lane.....	do.....	98.90
	Eliz. L. Renoe.....	do.....	25.00
	Geo. W. Eddey.....	do.....	98.90



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1901. June 29	Jas. F. Atherton .....	Services	\$82.40
	Balfe D. Johnson .....	do	25.00
	W. C. McGuiness .....	do	82.40
	Benj. M. Jacob .....	do	24.70
	Walcott L. Day .....	do	98.90
	G. Allen .....	do	49.45
	C. P. Cronk .....	do	107.10
	Geo. L. Lovett .....	do	25.00
	Jno. W. Byram .....	do	98.90
	Alpheus Drinkwater .....	do	41.20
	J. M. Sherier .....	do	107.10
	U. G. Myers .....	do	98.90
	Jas. Sands .....	do	59.30
	Aaron H. Bell .....	do	98.90
	Jos. P. Bolton .....	do	98.90
	Oscar D. Stewart .....	do	98.90
	Robt. L. Anderson .....	do	82.40
	Chas. W. Ling .....	do	82.40
	Jno. J. McLean .....	do	98.90
	Hal P. Hardin .....	do	82.40
	Harvey B. Dick .....	do	82.40
	F. Z. Gosewisch .....	do	98.90
	Jas. J. Doshier .....	do	59.30
	Frank L. McClintic .....	do	82.40
	Chas. W. Richey .....	do	39.60
	A. W. Kennie .....	do	25.00
	Jno. R. Morton .....	do	24.70
	H. W. Grasse .....	do	82.40
	Hugo Legler .....	do	69.20
	M. E. Conway .....	do	69.20
	Saml. L. Mosby .....	do	82.40
	Wm. A. Shaw .....	do	98.90
	Jos. C. Piercy .....	do	98.90
	F. W. Brist et al .....	Salaries	98.90
	Ford. A. Carpenter et al .....	do	128.60
	Allen Buellet et al .....	do	128.60
	Lester H. Murdock et al .....	do	354.60
	Patrick F. Lyons et al .....	do	288.40
	Orin Parker et al .....	do	214.20
	Chas. F. von Herrmann et al .....	do	275.20
	Arthur B. Wallaber et al .....	do	370.80
	Wm. J. Oldset et al .....	do	128.60
	Frank Ridgway et al .....	do	346.10
	O. C. Burrows et al .....	do	122.00
	Geo. N. Wilson et al .....	do	138.50
	Henry B. Hersey et al .....	do	438.40
	Geo. E. Franklin et al .....	do	252.20
	E. B. Richards et al .....	do	334.60
	Geo. A. Loveland et al .....	do	354.30
	Robt. Q. Grant et al .....	do	123.90
	Chas. F. Snyder et al .....	do	192.80
	Robt. H. Dean et al .....	do	128.60
	Weston M. Fulton et al .....	do	148.30
	W. U. Simons et al .....	do	136.80
	Patrick Connor et al .....	do	235.70
	T. F. Townsend et al .....	do	663.26
	Marcus J. Wright, jr., et al .....	do	138.50
	Elisha C. Vose et al .....	do	222.50
	Julius G. Linsley et al .....	do	128.60
	L. A. Welsh et al .....	do	321.40
	Chas. M. Strong et al .....	do	222.50
	Jas. J. Gray et al .....	do	219.20
	Eben H. Emery et al .....	do	476.30
	W. T. Blythe et al .....	do	558.33
	L. M. Tarr et al .....	do	197.80
	Edw. W. McGann et al .....	do	153.30
	Frank R. Beahan et al .....	do	158.20
	Geo. E. Grimes et al .....	do	112.10
	Frank P. Chaffee et al .....	do	321.40
	W. M. Dudley et al .....	do	197.80
	T. S. Outram et al .....	do	441.70
	W. M. Wilson et al .....	do	517.50
	Lee A. Denson et al .....	do	128.60
	Saml. C. Emery et al .....	do	318.10
	Henry R. Patrick et al .....	do	128.60
	G. W. Felger et al .....	do	168.10
	W. S. Beldin et al .....	do	258.70
	W. S. Currier et al .....	do	235.70
	Geo. H. Hagen et al .....	do	128.60
	E. C. Hobbs et al .....	do	128.60

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
June 29	M. E. Blystone et al. ....	Salaries .....	\$255. 70
	Jno. S. Hazen et al. ....	do .....	138. 50
	Chas. Stewart et al. ....	do .....	176. 30
	U. G. Purssell et al. ....	do .....	136. 80
	David P. McCallum et al. ....	do .....	128. 60
	Geo. N. Salisbury et al. ....	do .....	291. 70
	Fred A. Clarke et al. ....	do .....	163. 44
	Alex. G. Burns et al. ....	do .....	136. 80
	Robt. M. Harding et al. ....	do .....	206. 00
	Geo. H. Willson et al. ....	do .....	578. 50
	Edwd. A. Evans et al. ....	do .....	379. 10
	Geo. Reeder et al. ....	do .....	128. 60
	F. H. Brandenburg et al. ....	do .....	401. 77
	Geo. M. Chappell et al. ....	do .....	410. 40
	N. B. Conger et al. ....	do .....	362. 60
	E. H. Bowie et al. ....	do .....	138. 50
	H. W. Richardson et al. ....	do .....	245. 60
	Daniel C. Murphy et al. ....	do .....	128. 60
	S. S. Bassler et al. ....	do .....	433. 40
	Jas. Keneally et al. ....	do .....	510. 88
	Jacob W. Bauer et al. ....	do .....	153. 30
	A. E. Hackett et al. ....	do .....	242. 80
	J. W. Smith et al. ....	do .....	449. 58
	Jas. H. Smith et al. ....	do .....	176. 30
	L. N. Jesunofsky et al. ....	do .....	208. 68
	Geo. R. Oberholzer et al. ....	do .....	138. 90
	Lewis M. Pindell et al. ....	do .....	219. 20
	Walter S. Palmer et al. ....	do .....	235. 70
	Alfred F. Sims et al. ....	do .....	232. 40
	Fenton H. Duff et al. ....	do .....	128. 60
	Jno. R. Marbury et al. ....	do .....	339. 50
	O. L. Fassig et al. ....	do .....	392. 80
	W. E. Donaldson et al. ....	do .....	147. 10
	Byron H. Bronson et al. ....	do .....	235. 70
	Saml. H. Blandford et al. ....	do .....	235. 70
	J. W. Smith et al. ....	do .....	548. 80
	David Cuthbertson et al. ....	do .....	558. 25
	Patrick H. Smyth et al. ....	do .....	206. 00
	Wm. G. Burns et al. ....	do .....	220. 86
	Robert J. Hyatt et al. ....	do .....	441. 70
	Saml. L. Doshier et al. ....	do .....	131. 90
	Jno. R. Weeks et al. ....	do .....	128. 60
	Robt. G. Allen et al. ....	do .....	225. 17
	C. F. E. Wappenhaus et al. ....	do .....	436. 80
	S. W. Glenn et al. ....	do .....	235. 70
	Robt. B. Houghton et al. ....	do .....	128. 60
	E. J. Glass et al. ....	do .....	206. 00
	E. R. Demain et al. ....	do .....	136. 80
	Fredk. W. Conrad et al. ....	do .....	128. 60
	W. H. Fallon et al. ....	do .....	128. 90
	Isaac M. Cline et al. ....	do .....	497. 70
	L. G. Schultz et al. ....	do .....	128. 60
	T. S. Collins et al. ....	do .....	128. 60
	E. H. Nimmo et al. ....	do .....	128. 60
	Geo. B. Wurtz et al. ....	do .....	128. 60
	Thos. J. Considine et al. ....	do .....	206. 00
	Albert Ashenberger et al. ....	do .....	128. 60
	F. J. Waltz et al. ....	do .....	725. 80
	David Fisher et al. ....	do .....	138. 50
	T. B. Jennings et al. ....	do .....	163. 20
	Harry B. Boyer et al. ....	do .....	246. 00
	Edw. P. Jones et al. ....	do .....	220. 86
	Henry C. Bate et al. ....	do .....	420. 59
	Alex. J. Mitchell et al. ....	do .....	197. 15
	Total fourth quarter .....		98,381. 16
	<i>Supplemental.</i>		
July 3	Jas. L. Cline .....	Services .....	17. 86
11	A. E. Brown .....	do .....	13. 00
18	F. M. Nevins .....	do .....	6. 00
	H. P. Brandenburg .....	do .....	15. 00
	Jno. C. Foster .....	do .....	12. 00
	Jos. R. Porter .....	do .....	6. 00
	C. G. Bigham .....	do .....	9. 23
	G. J. P. Barger .....	do .....	3. 96
	Chas. H. Bridges .....	do .....	27. 69
23	David Cuthbertson .....	do .....	25. 00
	Earl L. Ovington .....	do .....	11. 51

## 264 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## WEATHER BUREAU—GENERAL EXPENSES—SALARIES—Continued.

Date.	Name.	Nature of payment.	Total.
<i>Supplemental—Continued.</i>			
1901.			
July 31	Harry C. Gropp .....	Services .....	\$14.00
	Chas. L. Mooney .....	do .....	10.00
	Albert B. Pittman .....	do .....	8.00
Aug. 6	Geo. W. Scott .....	do .....	98.90
	Total .....		278.15

## RECAPITULATION.

First quarter .....	\$96,299.78
Second quarter .....	95,958.82
Third quarter .....	97,341.85
Fourth quarter .....	98,381.16
Supplemental .....	278.15
Total .....	388,259.74

## METEOROLOGICAL OBSERVATION STATIONS.

Date.	Name.	Nature of payment.	Total.
1900.			
July 20	H. C. Frankenfield .....	Traveling expenses .....	\$78.85
July 31	J. W. Towers .....	Services .....	70.80
	L. J. Guthrie .....	do .....	101.10
	Calvin A. Mueller .....	do .....	70.80
	O. C. Read .....	do .....	25.00
	Louis Dorman .....	do .....	101.10
	A. V. Randall .....	do .....	101.10
	Jos. Lopez .....	do .....	40.00
	G. Harold Noyes .....	do .....	101.10
	Richd. M. Geddings .....	do .....	126.40
	Chas. E. Ashcraft, jr. ....	do .....	84.20
	Ernst T. Giers .....	do .....	101.10
	Jno. N. Ryker .....	do .....	3.26
	Paul De Graw .....	do .....	101.10
	Chas. H. Richardson .....	do .....	101.10
	F. G. Tingley .....	do .....	84.20
	Carmelo Sevilla .....	do .....	25.00
	H. G. McDonald .....	do .....	84.20
	Luis Gay Carbonell .....	do .....	101.10
	M. W. Hayes .....	do .....	126.40
	Wm. B. Stockman .....	do .....	168.50
	H. McP. Baldwin .....	do .....	2.28
	Wm. T. Lathrope .....	do .....	70.80
	Frank Montgomery .....	do .....	70.80
	Harry O. Geren .....	do .....	70.80
	Frank W. Very .....	do .....	101.10
	R. A. Fessenden .....	do .....	252.70
	Jas. L. Bartlett .....	do .....	101.10
	Jas. H. Kimball .....	do .....	70.80
	Wm. J. A. Schoppe .....	do .....	70.80
	Patek. McDonough .....	do .....	109.50
	Wm. H. Alexander .....	do .....	101.10
	Wm. C. Devereaux .....	do .....	70.80
	Chas. F. Marvin .....	do .....	252.70
Aug. 31	do .....	do .....	252.70
	Jno. W. Towers .....	do .....	70.80
	Wm. C. Devereaux .....	do .....	70.80
	W. H. Alexander .....	do .....	101.10
	Patek. McDonough .....	do .....	109.50
	W. J. A. Schoppe .....	do .....	70.80
	Jas. H. Kimball .....	do .....	70.80
	J. L. Bartlett .....	do .....	101.10
	R. A. Fessenden .....	do .....	252.70
	Frank W. Very .....	do .....	101.10
	Harry O. Geren .....	do .....	70.80
	Frank Montgomery .....	do .....	70.80
	C. A. Mueller .....	do .....	70.80
	Wm. B. Stockman .....	do .....	168.50
	M. W. Hayes .....	do .....	126.40
	Luis Gay Carbonell .....	do .....	101.10
	H. G. McDonald .....	do .....	84.20
	Fredk. P. Latimer .....	do .....	70.80
	Carmelo Sevilla .....	do .....	25.00



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Aug 31	Frank G. Tingley .....	Services .....	\$84.20
	Chas. H. Richardson .....	do .....	101.10
	W. T. Lathrop .....	do .....	84.26
	Paul De Graw .....	do .....	101.10
	Chas. E. Ashcraft, jr. ....	do .....	84.20
	R. M. Geddings .....	do .....	126.40
	G. Harrold Noyes .....	do .....	101.10
	Jas. Lopez .....	do .....	40.00
	A. E. Randall .....	do .....	101.10
	Louis Dorman .....	do .....	101.10
	O. C. Read .....	do .....	25.00
Sept. 15	Leon J. Guthrie .....	do .....	101.10
	Jno. C. Parker .....	Letter presses, etc. ....	187.82
	Fredk. P. Latimer .....	Traveling expenses .....	14.65
	C. H. Richardson .....	Office expenses .....	12.60
	Ernst T. Giers .....	do .....	3.00
	Paul De Graw .....	do .....	10.50
	Trinidad Shipping and Trading Co., Ltd.	Passenger transportation .....	55.00
	Pennsylvania R. R. Co. ....	do .....	6.50
	Serafin Cruz .....	Painting bucket .....	2.00
	P. Fernandez y Ca. ....	Printing crop bulletin .....	91.00
17	Ernst Giers .....	Services .....	101.10
18	Austin Smith .....	Blotting paper .....	184.00
	Jno. Underwood & Co. ....	Ink .....	19.00
	The News Publishing Co. ....	Printing crop bulletin .....	21.25
	Sociedad Anomina Luz Electrica	Electric lights .....	6.00
	Manuel G. Roves .....	Office rent, August .....	40.00
	Laureno Fuentez .....	do .....	30.00
	Manuel G. Roves .....	Office rent, July .....	40.00
	Teresa Joerg y Belot .....	Office rent, August .....	100.00
	do .....	Office rent, July .....	100.00
	Jose Nuza .....	Office rent, August .....	20.00
	do .....	Office rent, July .....	20.00
	Clyde Lemon .....	Services .....	2.72
	Wm. B. Stockman .....	Office expenses .....	13.84
	Wm. H. Alexander .....	do .....	11.38
20	Wm. T. Lathrop .....	Traveling expenses .....	43.23
	Standard Oil Co. ....	Oil .....	5.94
	Paul De Graw .....	Office expenses .....	10.50
	Wm. B. Stockman .....	do .....	10.18
	Chas. H. Richardson .....	do .....	12.22
	J. H. Bunnell & Co. ....	Relays, syringes, etc. ....	95.03
	Cuban Submarine Telegraph Co.	Telegraph services .....	9.65
30	Leon J. Guthrie .....	Services .....	97.80
	O. C. Read .....	do .....	25.00
	Louis Dorman .....	do .....	97.80
	Albert V. Randall .....	do .....	97.80
	Joseph Lopez .....	do .....	40.00
	G. H. Noyes .....	do .....	97.80
	Richd. M. Geddings .....	do .....	122.20
	Chas. E. Ashcraft, jr. ....	do .....	81.60
	Paul De Graw .....	do .....	97.80
	Wm. T. Lathrop .....	do .....	74.68
	Chas. H. Richardson .....	do .....	97.80
	Franklin G. Tingley .....	do .....	81.60
	Camelo Sevilla .....	do .....	25.00
	Fredc. P. Lattimer .....	do .....	68.40
	Luis Gay Carbonell .....	do .....	97.80
	M. W. Hayes .....	do .....	122.20
	Wm. B. Stockman .....	do .....	163.00
	Ernst T. Giers .....	do .....	83.15
	Calvin A. Mueller .....	do .....	68.40
	Frank Montgomery .....	do .....	68.40
	Harry O. Geren .....	do .....	68.40
	Frank W. Very .....	do .....	97.80
	R. A. Fessenden .....	do .....	244.60
	Jas. E. Bartlett .....	do .....	97.80
	Jas. H. Kimball .....	do .....	68.40
	Wm. J. A. Schoppe .....	do .....	68.40
	Patck. McDonough .....	do .....	106.00
	Wm. H. Alexander .....	do .....	97.80
	W. C. Devereaux .....	do .....	68.40
	Jno. W. Towers .....	do .....	68.40
	Chas. F. Marvin .....	do .....	244.60
	Howard G. McDonald .....	do .....	86.42
	Total first quarter .....		10,485.95
Oct. 1	The News Publishing Co. ....	Printing reports .....	18.82
	P. Fernandez y Ca. ....	do .....	78.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Oct. 1	Sociedad Anónima Luz Electrica	Electric lights	\$6.20
	Jno. C. Parker	Letter presses	136.32
4	Jno. H. Bunnell & Co	Relays, etc	14.10
	Gulf, Colorado and Santa Fe Rwy. Co	Passenger transportation	19.26
	Wm. H. Alexander	Oil, etc	11.85
	The Trinidad Shipping and Trading Co	Passenger transportation	50.00
6	M. Du Perow	Bolts, etc	30.00
12	Jose Nuza	Rent	20.00
	Teresa Joerg y Belot	do	100.00
12	International Ocean Telegraph Co.	Telegraph service	2.77
	The Cuba Submarine Telegraph Co.	do	285.56
	Western Union Telegraph Co.	do	39.65
16	Laureano Fuentes	Office rent	30.00
	D. O. Riviere	do	60.00
	Manuel G. Roves	do	40.00
	Jose Valenti	do	75.00
	D. Hoke Ross	do	72.00
18	E. Nuttall	do	109.50
	Jamaica Telephone Co. et al	Telephone service	23.25
	C. L. Haley & Co.	Office rent	90.00
	Clinckett & Coates	do	88.00
	A. B. Smith	do	85.35
	W. B. Moses & Sons	Chairs, etc	24.35
25	Direct West India Cable Co., Limited	Telegraph service	39.77
	C. H. Richardson	Ice, etc	12.71
	Cuba Submarine Telegraph Co	Telegraph service	11.10
	P. McDonough	Postage stamps, etc	23.72
	Leon J. Guthrie	Postage	9.18
26	Paul De Grow	Ice, etc	11.50
	W. H. Alexander	do	11.40
	R. M. Geddings	do	7.72
	Louis Dorman	do	79.38
	Chas. E. Ashcraft	Cleaning office	19.27
	Sociedad Anónima Luz Electrica	Electric services	7.20
	The News Publishing Co	Printing bulletins	25.96
	Ed. Newman & Co	Ice, etc	10.56
	W. H. Johnson & Co.	Ice	12.50
	Successors to J. B. Vicini	Office rent	120.00
30	Union Typewriter and Supplies Co	Ribbon support	.30
31	Chas. E. Marvin	Services	252.70
	Jno. W. Towers	do	70.80
	Wm. C. Devereaux	do	70.80
	Wm. H. Alexander	do	101.10
	Patk. McDonough	do	109.50
	Wm. J. A. Schoppe	do	70.80
	Jas. H. Kimball	do	70.80
	Jas. L. Bartlett	do	101.10
	R. A. Fessenden	do	252.70
	Frank W. Very	do	101.10
	Harry O. Geren	do	70.80
	Frank Montgomery	do	70.80
	Calvin A. Mueller	do	70.80
	Ernst T. Giers	do	84.20
	Wm. B. Stockman	do	168.50
	M. W. Hayes	do	99.90
	H. G. McDonald	do	101.10
	Luis Ga y Carbonell	do	101.10
	Fredk. P. Latimer	do	45.69
	Carmelo Sevilla	do	25.00
	F. G. Tingley	do	84.20
	Chas. H. Richardson	do	101.10
	Wm. T. Lathrop	do	84.20
	Paul De Graw	do	101.10
	Chas. E. Ashcraft, jr	do	84.20
	Richd. M. Geddings	do	126.40
	G. Harold Noyes	do	101.10
	Jos. Lopez	do	40.00
	A. V. Randall	do	101.10
	Louis Dorman	do	101.10
	O. C. Read	do	25.00
	L. J. Guthrie	do	101.10
	A. M. Curtin	do	42.50
Nov. 3	Wm. T. Lathrop	Office expenses	3.00
	Wm. B. Stockman	do	12.85
	Wm. C. Devereaux	Traveling expenses	9.80
8	Ernst T. Giers	do	33.63
	P. Fernandez y Ca.	Printing bulletins	169.00
	Laureano Fuentes	Office rent	30.00
	Teresa Joerg y Belot	do	100.00
12	Jose Nuza	do	20.00

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
Nov. 12	Manuel G. Roves .....	Office rent .....	\$40.00
19	The French Telegraph Cable Co. ....	Telegraph services .....	110.40
	do .....	do .....	196.75
	International Ocean Telegraph Co .....	do .....	2.17
	Cuba Submarine Telegraph Co .....	do .....	11.10
	Baltimore and Ohio R. R. Co .....	Passenger transportation .....	16.00
	Mittag & Volger .....	Carbon paper .....	54.00
22	W. B. Stockman .....	Traveling expenses .....	8.40
	E. M. Geddings .....	do .....	64.25
	The United States and Haiti Telegraph and Cable Co. ....	Telegraph services .....	278.39
	The French Telegraph and Cable Co. ....	do .....	291.72
	Cuba Submarine Telegraph Co .....	do .....	247.97
23	Southern Rwy. Co .....	Passenger transportation .....	39.65
	Alabama Midland Rwy. Co .....	do .....	40.00
30	Chas. F. Marion .....	Services .....	244.60
	Jno. W. Towers .....	do .....	68.40
	W. H. Alexander .....	do .....	97.80
	Patek, McDonough .....	do .....	106.00
	W. J. A. Schoppe .....	do .....	68.40
	Jas. H. Kimball .....	do .....	68.40
	Jas. L. Bartlett .....	do .....	97.80
	Harry O. Geren .....	do .....	68.40
	Frank Montgomery .....	do .....	68.40
	C. A. Mueller .....	do .....	68.40
	Richd. M. Geddings .....	do .....	122.20
	Ernst T. Giers .....	do .....	81.60
	Wm. B. Stockman .....	do .....	163.00
	M. W. Hayes .....	do .....	122.20
	H. G. McDonald .....	do .....	97.80
	Luis Ga y Carbonell .....	do .....	97.80
	Carmelo Sevilla .....	do .....	25.00
	Franklin G. Tingley .....	do .....	81.60
	Chas. H. Richardson .....	do .....	97.80
	Wm. T. Lathrop .....	do .....	81.60
	Paul De Graw .....	do .....	97.80
	Reginald A. Fessenden .....	do .....	244.60
	Chas. E. Ashcraft, jr .....	do .....	81.60
	G. Harold Noyes .....	do .....	97.80
	Jos. Lopez .....	do .....	40.00
	A. V. Randall .....	do .....	97.80
	Louis Dorman .....	do .....	97.80
	O. C. Read .....	do .....	25.00
	L. J. Guthrie .....	do .....	97.80
	Wm. C. Deveraux .....	do .....	70.66
	Sociedad Anomina Luz Electrica .....	Electric lights .....	7.20
	Paul De Graw .....	Office expenses .....	10.50
	C. H. Richardson .....	do .....	12.02
Dec. 3	Southern Rwy. Co .....	Passenger transportation .....	14.15
	do .....	do .....	37.70
4	Jas. E. Ward & Co., Incorporated .....	do .....	45.00
	Wm. H. Alexander .....	Office expenses .....	11.17
	The News Publishing Co .....	Printing crop bulletins .....	18.73
	C. L. Haley & Co .....	Office rent .....	30.00
	Laureano Fuentes .....	do .....	30.00
10	M. G. Copeland & Co .....	Flags .....	667.00
11	Jose Nuza .....	Office rent .....	20.00
	Teresa Joerg y Belot .....	do .....	100.00
	M. W. Hayes .....	Office expenses .....	3.50
	do .....	do .....	12.08
14	Postal Telegraph Cable Co .....	Telegraph services .....	95.75
	J. Baumgarten & Sons .....	Rubber stamp .....	.61
	Manuel G. Roves .....	Office rent .....	40.00
	Western Union Telegraph Co .....	Telegraph services .....	101.84
18	Cuba Submarine Telegraph Co .....	do .....	12.25
	The United States and Haiti Telegraph and Cable Co. ....	do .....	126.87
	The French Telegraph Cable Co .....	do .....	256.34
	do .....	do .....	25.20
19	Sociedad Anomina Luz Electrica .....	Electric lights .....	7.20
	H. G. McDonald .....	Office expenses .....	10.10
	Chas. H. Richardson .....	do .....	12.18
20	A. E. Outerbridge & Co .....	Passenger transportation .....	63.00
31	Richd. M. Geddings .....	Services .....	81.52
	Chas. F. Marvin .....	do .....	252.70
	Jno. W. Towers .....	do .....	70.80
	Wm. H. Alexander .....	do .....	101.10
	Wm. J. A. Schoppe .....	do .....	70.80
	Jas. W. Kimball .....	do .....	70.80
	Jas. L. Bartlett .....	do .....	101.10



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1900. Dec. 31	R. A. Fessenden .....	Services .....	\$252.70
	Harry O. Geren .....	do .....	70.80
	Frank Montgomery .....	do .....	70.80
	C. A. Mueller .....	do .....	70.80
	Ernst T. Giers .....	do .....	84.20
	Wm. B. Stockman .....	do .....	168.50
	M. W. Hayes .....	do .....	126.40
	H. G. McDonald .....	do .....	101.10
	Luis Ga y Carbonell .....	do .....	101.10
	Wm. C. Devereaux .....	do .....	84.20
	Carmelo Sevilla .....	do .....	25.00
	F. G. Tingley .....	do .....	84.20
	Chas. H. Richardson .....	do .....	101.10
	W. T. Lathrop .....	do .....	84.20
	Paul De Graw .....	do .....	101.10
	G. Harold Noyes .....	do .....	101.10
	Jas. Lopez .....	do .....	40.00
	Albert V. Randall .....	do .....	101.10
	Louis Dorman .....	do .....	101.10
	O. C. Read .....	do .....	25.00
	L. J. Guthrie .....	do .....	101.10
	Total second quarter .....		14,215.59
1901. Jan. 3	United States Express Co .....	Transportation .....	1.77
	Southern Rwy. Co .....	Passenger transportation .....	32.15
	do .....	do .....	16.45
4	Jos. L. Cline .....	Services .....	48.91
	P. Fernandez y Ca .....	Printing crop report, etc .....	79.50
5	Paul De Graw .....	Office expenses .....	10.50
	Jose Valenti .....	Office rent .....	75.00
	A. E. Outerbridge & Co .....	Passenger transportation .....	51.00
	Boulton, Bliss & Dallett .....	do .....	50.00
7	Laureano Fuentes .....	Office rent .....	30.00
	Successor to J. B. Vicini .....	do .....	120.00
	C. L. Halley & Co .....	do .....	30.00
	Wm. H. Alexander .....	Office expenses .....	10.64
11	A. J. Henry .....	Traveling expenses .....	85.75
	do .....	Office expenses .....	32.42
16	D. Hope Ross .....	Office rent .....	72.00
	Chas. E. Ashcraft, jr .....	Services .....	93.47
	Cuba Submarine Telegraph Co .....	Telegraph services .....	21.10
	Julien P. Friez .....	Rain gauges .....	142.00
	Teresa Joerg y Belot .....	Office rent .....	100.00
	Jose Nuza .....	do .....	20.00
	S. H. A. Greet .....	Services .....	8.87
17	The News Publishing Co .....	Printing crop bulletins, etc .....	20.00
	Texas and New Orleans R. R. Co .....	Passenger transportation .....	12.35
18	The News Publishing Co .....	Printing crop report, etc .....	17.23
	O. C. Read .....	Office expenses .....	10.00
	Manuel G. Roves .....	Office rent .....	40.00
	Jno. J. O'Donnell .....	Services .....	26.09
21	E. Nuttall .....	Office rent .....	109.50
	A. B. Smith .....	do .....	85.35
	Leon J. Guthrie .....	Office expenses .....	9.39
	M. W. Hayes .....	do .....	12.83
	Wm. H. Alexander .....	do .....	13.36
	Louis Dorman .....	do .....	64.93
	J. L. Cline .....	Traveling expenses .....	50.15
	Cuba and Pan-American Express Co .....	Transportation .....	24.74
	Jamaica Telephone Co., Limited .....	Telephone rent .....	23.25
23	J. L. Bartlett .....	Traveling expenses .....	6.20
25	C. H. Richardson .....	Office expenses .....	12.32
	Jose M. Castillo .....	Ice .....	9.00
31	Chas. F. Marvin .....	Services .....	258.30
	Jno. W. Towers .....	do .....	72.30
	Wm. H. Alexander .....	do .....	103.30
	Jno. J. O'Donnell .....	do .....	103.30
	W. J. A. Schoppe .....	do .....	72.30
	J. H. Kimball .....	do .....	72.30
	Jas. L. Bartlett .....	do .....	103.30
	R. A. Fessenden .....	do .....	258.30
	H. O. Geren .....	do .....	72.30
	Frank Montgomery .....	do .....	72.30
	Calvin A. Mueller .....	do .....	72.30
	Ernst T. Giers .....	do .....	86.10
	S. H. Austin Greet .....	do .....	25.00
	W. B. Heckman .....	do .....	172.20
	M. W. Hayes .....	do .....	129.20
	H. G. McDonald .....	do .....	103.30

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901. Jan. 31	Luis Ga y Carbonell	Services	\$103.30
	Wm. C. Devereaux	do	86.10
	Carmelo Sevilla	do	25.00
	Franklin G. Tingley	do	86.10
	C. H. Richardson	do	103.30
	Wm. T. Lathrop	do	86.10
	Paul De Graw	do	103.30
	Chas. E. Ashcraft, jr.	do	103.30
	Jos. L. Cline	do	129.20
	G. H. Noyes	do	103.30
	Jose Lopez	do	40.00
	A. V. Randall	do	103.30
	Louis Dorman	do	103.30
	O. C. Read	do	25.00
	L. J. Guthrie	do	103.30
	Patek. McDonough	do	109.50
Feb. 1	Pennsylvania R. R. Co.	Passenger transportation	6.50
	Henry J. Green	Thermometers	325.00
	Ed. Newman & Co	Oil, ice, etc	8.08
	The French Telegraph-Cable Co	Telegraph services	25.60
	do	do	135.79
	International Ocean Telegraph Co	do	12.65
	United States and Haiti Telegraph and Cable Co.	do	132.64
	Clinckett & Coates	Office rent	88.00
	D. D. Riviere	do	60.00
4	P. McDonough	Office expenses	12.48
	Cuba Submarine Telegraph Co.	Telegraph services	123.50
	The International Ocean Telegraph Co	do	5.41
	Pennsylvania R. R. Co.	Passenger transportation	13.00
	A. E. Outerbridge & Co	do	60.00
	Sociedad Anomina Luz Electrica	Electric lights	7.20
	P. Fernandez y Ca.	Printing climate and crop bulletins.	52.00
	C. L. Haley & Co.	Office rent	30.00
5	Patek. McDonough	Services	97.50
8	P. Fernandez y Ca	Printing climate and crop bulletins.	117.00
	Jose Nuza	Office rent	20.00
	Manuel G. Roves	do	40.00
	Teresa Joerg y Belot	do	100.00
	West India and Panama Telegraph Co., Limited.	Telegraph services.	1,798.02
	The French Telegraph-Cable Co	do	112.25
	Cuba Submarine Telegraph Co., Limited	do	10.80
9	W. T. Lathrop	Office expenses	2.00
	Paul De Graw	do	15.00
	Postal Telegraph-Cable Co	Telegraph services	28.48
	Western Union Telegraph Co	do	63.82
	Cuba Submarine Telegraph Co	do	358.09
	Jno. C. Parker	Letter scale	3.00
	Eberhard Faber	Rubber bands	676.00
13	A. Testart	Office expenses	3.93
	Sociedad Anomina Luz Electrica	Installation of electric light	12.00
18	R. P. Clarke Co	Supplies	164.20
	Postal Telegraph-Cable Co	Telegraph services	31.36
	Wyckoff, Seamans & Benedict	Paper	27.90
	United States Express Co	Transportation	5.71
	do	do	.92
19	Jno. W. Stonebraker	Paper	64.75
	M. W. Hayes	Office expenses	10.24
	J. J. O'Donnell	Traveling expenses	28.19
20	Morris European and American Express Co.	Transportation	21.54
	do	do	14.36
23	Southern Rwy. Co.	Passenger transportation	37.50
	The Cuban Submarine Telegraph Co	Telegraph service	6.40
	Postal Telegraph-Cable Co	do	83.99
	A. V. Randall	Office expenses	20.25
	C. H. Richardson	do	11.65
	Wm. H. Alexander	do	11.18
	P. McDonough	Traveling expenses	26.84
	C. L. Haley & Co.	Office rent	30.00
25	Baltimore and Ohio R. R. Co.	Transportation	1.40
	Wm. H. Alexander	Services	93.40
	Jno. J. O'Donnell	do	93.40
	W. J. A. Schoppe	do	65.40
	Jas. H. Kimball	do	65.40
	Jas. L. Bartlett	do	93.40
28	Harry O. Geren	do	65.40

*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Feb. 28	Frank Montgomery	Services	\$65.40
	Calvin A. Mueller	do	65.40
	S. H. A. Greet	do	25.00
	W. B. Stockman	do	155.60
	M. W. Hayes	do	116.60
	Luis Ga y Carbonell	do	93.40
	Wm. C. Devereaux	do	77.80
	H. G. McDonald	do	93.40
	Carmelo Sevilla	do	25.00
	F. G. Tingley	do	77.80
	C. H. Richardson	do	93.40
	R. A. Fessenden	do	233.40
	Wm. T. Lathrop	do	77.80
	Paul De Graw	do	93.40
	Chas. E. Ashcraft, jr	do	93.40
	Jos. L. Cline	do	116.60
	G. H. Noyes	do	93.40
	Jos. Lopez	do	40.00
	A. V. Randall	do	93.40
	Louis Dorman	do	93.40
	Leon J. Guthrie	do	93.40
	Chas. F. Marvin	do	233.40
	Jno. W. Towers	do	65.40
	Ernst T. Giers	do	77.80
Mar. 5	The Cuba Submarine Telegraph Co.	Telegraph service	9.70
6	Jno. C. Parker	Paper, etc.	396.64
	Postal Telegraph-Cable Co	Telegraph service	129.05
7	A. V. Randall	Expenses	18.25
	Laureano Fuentes	Office rent	30.00
	do	do	30.00
	Pennsylvania R. R. Co	Passenger transportation	6.50
	Central R. R. Co. of New Jersey	do	6.50
	Paul De Graw	Office expenses	10.50
12	United States Express Co	Transportation	3.15
13	Manuel G. Roves	Office rent	40.00
	M. W. Hayes	Office expenses	20.65
	Jose Nuza	Office rent	20.00
	Teresa Joerg y Belot	do	100.00
	Jno. T. West	Printing report	25.00
14	O. C. Read	Services	25.00
	G. H. Noyes	Office expenses	11.06
	Department of the interior of Porto Rico	Office rent	66.61
	do	do	261.13
19	P. Fernandez y Ca	Printing bulletins	78.00
	Chas. E. Ashcraft, jr	Office expenses	25.78
20	W. T. Lathrop	do	3.00
	C. H. Richardson	do	11.21
	The West India and Panama Telegraph Co.	Telegraph service	2.10
	G. H. Noyes	Office expenses	42.00
22	J. Edw. Turton	File cases	36.00
	Morris European and American Express Co.	Transportation	6.50
	do	do	38.95
	do	do	5.86
	Morris European and American Express Co.	do	7.38
	Pennsylvania R. R. Co.	do	.75
	do	do	2.94
	do	do	.35
23	Paul De Graw	Office expenses	10.50
	Wm. H. Alexander	do	10.85
	Croney & Co	Office rent	30.00
	United States Envelope Co	Envelopes	613.62
28	Morris European and American Express Co.	Transportation	23.06
	Pennsylvania R. R. Co	do	.57
30	Chas. F. Marvin	Services	258.30
	Jno. W. Towers	do	72.30
	Wm. H. Alexander	do	103.30
	Jno. J. O'Donnell	do	103.30
	Wm. J. A. Schoppe	do	72.30
	Jas. H. Kimball	do	72.30
	Jas. L. Bartlett	do	103.30
	Harry O. Geren	do	72.30
	Frank Montgomery	do	72.30
	Calvin A. Mueller	do	72.30
	S. H. A. Greet	do	25.00
	Wm. B. Stockman	do	172.20
	M. W. Hayes	do	129.20
	H. G. Montgomery	do	103.30



*Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.*

## METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901. Mar. 30	Luis Ga y Carbonell	Services	\$103.30
	Wm. C. Devereaux	do	86.10
	Carmelo Sevilla	do	25.00
	Franklin G. Tingley	do	86.10
	Chas. H. Richardson	do	103.30
	R. A. Fessenden	do	258.30
	Wm. T. Lathrop	do	86.10
	Paul De Graw	do	103.30
	Chas. E. Ashcraft, jr	do	103.30
	Josephine L. Cline	do	129.20
	G. H. Noyes	do	103.30
	Joseph Lopez	do	40.00
	Albert V. Randall	do	103.30
	Louis Dorman	do	103.30
	O. C. Read	do	25.00
	L. J. Guthrie	do	103.30
	Dani. J. Herndon	do	93.30
	Total third quarter		17,993.20
Apr. 2	Western Union Telegraph Co	Service	9.15
	The Cuba Submarine Telegraph Co	do	9.73
	Jose Valenti	Office rent	75.00
	D. Hope Ross	do	72.00
6	Postal Telegraph Cable Co.	Service	96.28
10	Cuba Submarine Telegraph Co.	do	35
11	P. Fernandez y Ca	Printing crop summary	35.00
	Laureano Fuentes	Office rent	30.00
17	Jose Nuza	do	20.00
	Teresa Jeorg y Belot	do	100.00
	A. B. Smith	do	85.35
	Department of the interior of Porto Rico	do	138.71
	E. Nuttall	do	109.50
	Manuel G. Roves	do	40.00
	P. Fernandez y Ca	Printing bulletins	78.00
	Natalio Ruiz	Painting	12.00
	Sociedad Anomina Luz Electrica	Electric light	21.60
	The Southern Kansas Rwy. Co.	Passenger transportation	46.10
18	The Friedenwald Co	Duplicating paper	280.00
	News Publishing Co	Printing reports	54.49
	Jamaica Telegraph Co., Limited	Rent	23.25
19	M. W. Hayes	Office expenses	12.24
	The Friedenwald Co	Paper wrappers	403.20
24	H. G. McDonald	Services	6.59
	Louis Dorman	Office expenses	63.93
	C. H. Richardson	do	11.86
	Leon J. Guthrie	do	9.81
26	Ed Newman & Co	Ice and oil	10.36
	Clenckett & Coates	Rent of office	88.00
	Paul De Graw	Expenses of office	10.50
27	New York and Cuba Mail S. S. Co	Passenger transportation	45.00
	D. O. Riviere	Office rent	60.00
	Cuba Submarine Telegraph Co.	Service	2.40
30	G. H. Noyes	Services	98.90
	L. J. Guthrie	do	98.90
	Joseph L. Cline	do	123.60
	Carmelo Sevilla	do	15.82
	Dani. J. Herndon	do	85.71
	Chas. F. Marvin	do	247.25
	Jno. W. Towers	do	69.20
	Wm. H. Alexander	do	98.90
	Jno. J. O'Donnell	do	98.90
	Wm. J. A. Schoppe	do	69.20
	Jas. A. Kimball	do	69.20
	Jas. L. Bartlett	do	98.90
	Harry O. Geren	do	69.20
	Frank Montgomery	do	69.20
	Calvin A. Mueller	do	69.20
	S. H. A. Greet	do	25.00
	Wm. B. Stockman	do	164.80
	M. W. Hayes	do	123.60
	Luis Ga y Carbonell	do	98.90
	Wm. C. Devereaux	do	82.40
	Franklin G. Tingley	do	82.40
	Chas. H. Richardson	do	98.90
	R. A. Fessenden	do	247.25
	W. T. Lathrop	do	82.40
	Paul De Graw	do	98.90
	Chas. E. Ashcraft, jr	do	98.90
	Louis Dorman	do	98.90

Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1901.			
Apr. 30	Jos. Lopez	Services	\$40.00
	A. V. Randall	do	98.90
	O. C. Read	do	25.00
May 2	Wm. T. Lathrop	Office expenses	3.24
3	Hoke Engraving Plate Co.	Recoating plates	3.50
	Wm. H. Alexander	Office expenses	12.22
	I. P. Roosa	do	15.22
	Chas. E. Ashcraft, jr.	do	25.68
	Wm. B. Stockman	Traveling expenses	8.65
	Croncy & Co	Rent of office	30.00
	Laureano Fuentes	do	30.00
6	Successors to J. B. Vicini	do	120.00
	Western Union Telegraph Co.	Services	7.60
10	A. V. Randall	Office expenses	20.25
	do	do	2.00
	J. L. Cline	Traveling expenses	22.15
11	P. Fernandez y Ca	Printing bulletins	91.00
	Jose Nuza	Office rent	20.00
	Teresa Jeorg y Belot	do	100.00
13	United States Express Co	Transportation	.72
	do	do	.31
21	Western Union Telegraph Co.	Service	7.98
	Manuel G. Roves	Rent of office	40.00
	Benito Castellanos	Services	10.83
11	Jos. L. Cline	Office expenses	13.45
23	Postal Telegraph Cable Co	Service	117.34
29	Morris European and American Express Co., Ltd.	Transportation	19.76
	do	do	4.40
	do	do	9.57
	Pennsylvania R. R. Co	do	.99
	do	do	1.81
	do	do	1.72
	do	do	.35
	do	do	.51
	do	do	.56
	do	do	2.62
	do	do	.35
31	A. E. Outerbridge	Passenger transportation	63.00
	Boulton, Bliss & Dallett	do	70.00
	The French Telegraph Cable Co	Service	6.60
	C. H. Richardson	Office expenses	11.81
	Paul De Graw	do	10.50
	T. Frederick Davis	Traveling expenses	13.15
	Croncy & Co	Rent of office	30.00
	Leon J. Guthrie	Services	102.20
	C. F. Marvin	do	255.50
	Jno. W. Towers	do	71.60
	Wm. H. Alexander	do	102.20
	Jno. J. O'Donnell	do	102.20
	Louis Dorman	do	255.50
	W. J. A. Schoppe	do	71.60
	Jas. A. Kimball	do	71.60
	M. W. Hayes	do	127.80
	J. L. Bartlett	do	102.20
	Harry O. Geren	do	71.60
	Frank Montgomery	do	71.60
	Calvin A. Mueller	do	71.60
	S. H. A. Greet	do	25.00
	Wm. B. Stockman	do	170.40
	W. C. Devereaux	do	85.20
	F. G. Tingley	do	85.20
	Dan. J. Herndon	do	102.20
	Chas. H. Richardson	do	102.20
	R. A. Fessenden	do	255.50
	Wm. T. Lathrop	do	85.20
	Paul De Graw	do	102.20
	Chas. E. Ashcraft, jr	do	102.20
	Jos. L. Cline	do	127.80
	G. Harold Noyes	do	102.20
	Jas. Lopez	do	40.00
	A. V. Randall	do	102.20
	O. C. Read	do	25.00
	T. Fred. Davis	do	90.69
June 4	Wm. H. Alexander	do	10.35
11	M. G. Copeland & Co	Flags	178.50
	do	do	107.25
	Rudolph, West & Co.	Waste cotton	13.40
	D. Frank Parker	Typewriter ribbons	18.00
12	Laureano Fuentes	Office rent	30.00

Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
June 12	Benito Castellanos .....	Services .....	\$25.00
	Wm. B. Stockman .....	Office expenses .....	10.48
	Louis Dorman .....	Traveling expenses .....	80.40
	Austin Smith .....	Blotting paper .....	27.60
	The Cuba Submarine Telegraph Co .....	Service .....	52.80
	do .....	do .....	3.95
15	P. Fernandes y Co. ....	Printing crop reports .....	78.00
	Teresa Joerg y Belot .....	Office rent .....	100.00
	Ed. C. Finlay .....	Services .....	85.00
19	Pennsylvania R. R. Co .....	Transportation .....	1.01
	do .....	do .....	.41
	Boulton, Bliss & Dallett .....	Passenger transportation .....	70.00
	New York and Cuban Mail S. S. Co .....	do .....	45.00
	Pennsylvania R. R. Co .....	do .....	14.50
	Louisville & Nashville R. R. Co .....	do .....	32.00
	Savannah, Florida and Western Ry. Co. ....	do .....	29.15
	Herman E. Hobbs .....	Traveling expenses .....	24.32
	J. L. Cline .....	do .....	26.63
	Carter, Rice & Co. (Corporation) .....	Book paper .....	80.00
	Manuel G. Roves .....	Rent .....	40.00
20	C. H. Richardson .....	Office expenses .....	11.95
	Wm. H. Alexander .....	Traveling expenses .....	32.55
	Postal Telegraph Cable Co .....	Service .....	107.80
	Western Union Telegraph Co .....	do .....	11.77
	Rudolph, West & Co .....	Waste cotton .....	40.20
29	Henry O. Geren .....	Services .....	74.51
	Wm. T. Lathrop .....	Office expenses .....	3.00
	Paul De Graw .....	do .....	10.50
	Wm. B. Stockman .....	do .....	11.24
	J. J. O'Donnell .....	do .....	23.74
	M. W. Hayes .....	Traveling expenses .....	8.50
	L. J. Guthrie .....	Services .....	52.75
	O. C. Read .....	do .....	25.00
	Louis Dorman .....	do .....	98.90
	A. V. Randall .....	do .....	98.90
	Jos. Lopez .....	do .....	40.00
	W. H. Alexander .....	do .....	98.90
	G. H. Noyes .....	do .....	98.90
	E. C. Thompson .....	do .....	111.26
	C. E. Ashcraft, jr .....	do .....	98.90
	Paul De Graw .....	do .....	98.90
	Wm. T. Lathrop .....	do .....	82.40
	Jas. H. Kimball .....	do .....	69.20
	R. A. Fessenden .....	Passenger transportation .....	247.25
	A. R. Teeple .....	do .....	69.20
	C. H. Richardson .....	do .....	98.90
	Daniel J. Hernden .....	do .....	98.90
	Frank G. Tingley .....	do .....	82.40
	Benito Castellanos .....	do .....	29.70
	Edwd. C. Findlay .....	do .....	82.40
	W. C. Devereaux .....	do .....	82.40
	Jas. L. Bartlett .....	do .....	98.90
	M. W. Hayes .....	do .....	123.60
	Wm. B. Stockman .....	do .....	164.80
	S. H. A. Greet .....	do .....	25.00
	C. A. Mueller .....	do .....	69.20
	Frank Montgomery .....	do .....	69.20
	W. J. A. Schoppe .....	do .....	69.20
	Jno. J. O'Donnell .....	do .....	98.90
	H. E. Hobbs .....	do .....	96.14
	Jno. W. Towers .....	do .....	69.20
	Chas. F. Marvin .....	do .....	247.25
	T. F. Davis .....	do .....	82.40
	Total, fourth quarter .....		13,284.12
	Supplemental.		
July 1	Jno. C. Parker .....	Book paper .....	176.00
2	Croney & Co. ....	Office rent .....	30.00
	José Valenti .....	do .....	75.00
	D. Hope Ross .....	do .....	72.00
	Martin B. Stubbs .....	Traveling expenses .....	2.45
	Compagnie Générale Transatlantique .....	Passenger transportation .....	10.00
	A. O. Abrahams .....	Repairing clocks .....	4.00
3	J. L. Cline .....	Services .....	103.02
	do .....	Office expenses .....	11.55
	Jas. L. Bartlett .....	Traveling expenses .....	63.10
5	Martin B. Stubbs .....	Services .....	69.20
6	M. Du Perow .....	Gordon battery, recharge .....	51.00



## 274 EXPENDITURES IN THE DEPARTMENT OF AGRICULTURE.

Expenditures of Department of Agriculture for year ending June 30, 1901—Cont'd.

## METEOROLOGICAL OBSERVATION STATIONS—Continued.

Date.	Name.	Nature of payment.	Total.
1900.			
July 9	Morris E. A. Express Co .....	Transportation .....	\$13.39
11	Hermann E. Hobbs .....	Office expenses .....	9.88
18	Department of the Interior of Porto Rico .....	Office rent .....	150.00
	Successors of J. B. Vicini .....	do .....	120.00
	Cuba Submarine Telegraph Co. ....	Services .....	4.10
	International Ocean Telegraph Co. ....	do .....	1.12
	Postal Telegraph-Cable Co .....	do .....	109.60
	E. C. Thompson .....	Office expenses .....	4.70
	do .....	Traveling expenses .....	31.75
20	Wm. B. Stockman .....	Office expenses .....	11.68
	A. V. Randall .....	do .....	20.25
	Louis Dorman .....	do .....	31.25
23	Jos. L. Cline .....	Traveling expenses .....	13.80
	H. E. Hobbs .....	Office expenses .....	13.11
	C. H. Richardson .....	do .....	12.24
Aug. 6	M. G. Copeland & Co .....	Flags .....	241.00
	W. B. Moses & Sons .....	Chairs .....	67.50
7	T. F. Davis .....	Office expenses .....	9.17
	Paul De Graw .....	do .....	10.50
	C. E. Ashcraft .....	do .....	21.43
	P. Fernandez y Ca .....	Printing bulletins .....	79.50
	Sociedad Anónima Luz Eléctrica .....	Electric light .....	21.60
	Jamaica Telephone Co., Limited .....	Rent .....	23.25
12	Western Union Telegraph Co .....	Service .....	18.66
14	Manuel G. Roves .....	Office rent .....	40.00
	Teresa Joergy Belot .....	do .....	100.00
	E. Nuttall .....	do .....	109.50
	D. O. Riviere .....	do .....	60.00
	Clinckett & Coates .....	do .....	88.00
	Laureano Fuentes .....	do .....	30.00
	do .....	do .....	30.00
	A. B. Smith .....	do .....	85.35
	Croney & Co .....	do .....	30.00
17	Pennsylvania R. R. Co .....	Passenger transportation .....	6.90
	New York and Cuba Mail Steamship Co .....	do .....	45.00
	G. H. Noyes .....	Traveling expenses .....	30.43
26	José Castillo .....	Ice .....	6.97
	Ed. Newman & Co .....	do .....	7.00
Sept. 9	Louis Dorman .....	Traveling expenses .....	90.60
	News Publishing Co .....	Printing crop bulletins .....	87.30
10	Paul De Graw .....	Office expenses .....	2.50
23	Peninsular and Occidental S. S. Co .....	Passenger transportation .....	22.50
	Boulton, Bliss & Dallett .....	do .....	40.00
	Savannah, Florida and Western R. R. Co .....	do .....	21.55
Oct. 3	Harry O. Geren .....	Traveling expenses .....	25.21
14	Baltimore and Ohio R. R. Co .....	Passenger transportation .....	18.75
	Pittsburg, Cincinnati, Chicago and St. Louis Rwy. Co. ....	do .....	15.35
	The Pennsylvania R. R. Co .....	do .....	14.80
	Total .....		2,714.16

## RECAPITULATION.

First quarter .....	\$10,485.95
Second quarter .....	14,215.59
Third quarter .....	17,993.20
Fourth quarter .....	13,284.12
Supplemental .....	2,714.16
Total .....	58,693.02









